



September 8, 2017

Reference No. 030409

Ms. Leslie Blake  
Remedial Project Manager  
United States Environmental  
Protection Agency  
Region 5  
Ralph Metcalfe Federal Building  
77 West Jackson  
Chicago, Illinois 60604-3590

Dear Leslie:

Re: **Monitoring Well Abandonment and Replacement**  
**Rexnord**  
**2400 Curtiss Street**  
**Downers Grove, Illinois**

Thanks for speaking with us on Thursday afternoon regarding EPA approval of proposed monitoring well abandonments at the Rexnord facility at 2400 Curtiss Street in Downers Grove, Illinois. As Rexnord stated during our conversation, they are committed to their role in the PRP Group and, if requested by U.S. EPA, Rexnord will replace Site monitoring wells that were installed by U.S. EPA when it can be accomplished safely and without potential interference from ongoing construction activities. Prior to well replacement, potential well locations and depths will be proposed to EPA based on historical groundwater chemical and elevation data, and with input from EPA. A schedule for well installation can also be provided to EPA when construction has progressed to a point that allows for a more accurate timetable. Based on the current construction schedule, replacement well installation could begin in approximately one year from now, assuming building construction remains on schedule. Given that all of the most important wells on the Rexnord property were just sampled by Rexnord, there should be no need to re-sample the groundwater on Rexnord property any time in the next year, especially given that the results were either consistent with past sampling results or significantly better.

#### ***Soils Investigation Results***

During our call, Rexnord referred to a recent soil boring investigation that included laboratory analysis of VOCs. The results of this investigation are presented in the report provided as Attachment 1. The report includes a map of the soil boring locations and soil boring logs. Other than a few very low concentrations of acetone and methyl ethyl ketone, no VOCs were detected.

#### ***MW279I Results***

MW279I was accidentally omitted from the recent groundwater monitoring event that was previously reported to you on September 5, 2017. Therefore, MW279I was sampled on September 5 and the lab results were reported today. No VOCs or 1,4-dioxane were detected. Attachment 2 provides the MW279I lab report. Updates to the tables that were presented in the September 5 letter report are included in Attachment 2.



Due to your concerns, Rexnord has postponed well abandonments that were scheduled to begin this upcoming Monday, September 11, 2017. However, they must be rescheduled ASAP so that the construction schedule is not more than significantly disrupted. Rexnord would like to proceed no later than September 18, 2017 and therefore requests EPA's approval as soon as possible. Thanks again for your prompt attention to this matter. Please contact me if you have any questions.

Sincerely,

GHD

A handwritten signature in black ink, appearing to read "Chuck Ahrens".

Chuck Ahrens

CA/sb/5

cc: Tom Frost, Rexnord  
Kelli Taffora, Rexnord  
Amy Gahala, USGS  
Ron Frehner, GHD  
Mark Bilut, McDermott, Will and Emery

## Attachment 1



230 W. Monroe Street  
Suite 2300  
Chicago, IL 60606

312.578.0870 PHONE  
312.578.0877 FAX

[www.trcsolutions.com](http://www.trcsolutions.com)

*Confidential*

July 25, 2017

Rexnord Industries, LLC  
247 Freshwater Way, Suite 200  
Milwaukee, Wisconsin 53201

Attention: Mr. Tom Frost, Director – Environmental

**Reference: Subsurface Investigation Related to Potential Construction  
2400 Curtiss Street  
Downers Grove, Illinois**

Dear Mr. Frost:

TRC Environmental Corporation (TRC) was retained to conduct a subsurface investigation related to potential construction activities. The investigation activities and results are described in this letter report. A Site Location Map is provided as Figure 1.

This Letter includes a background section, a brief summary of the subsurface investigation activities, a discussion of the results and comparison to applicable cleanup standards, and a summary and conclusions.

## **BACKGROUND**

The soil investigation activities summarized in this letter were conducted to assess the site for the presence of constituents of concern (COCs) in soil and to identify soil management requirements. This was done as part of the potential sale and redevelopment of the property.

TRC understands Rexnord is contemplating development and construction of a new building at its 2400 Curtiss Street facility in Downers Grove, IL which would require grading and filling a portion of the existing property to accommodate a new slab on grade building. Additionally, TRC understands two areas will be utilized as on-Site borrow areas for fill material which will ultimately become storm water retention ponds.

The Site has been subject to investigation by the USEPA and former property owners to address historic impacts related to the larger Ellsworth Industrial Park, Downers Grove Groundwater Investigation and the impacts of chlorinated solvents to the soil and groundwater. The current Rexnord facility, which conducts machining, heat treating, degreasing, and electroplating of nickel, copper and cadmium for aerospace related bearings and seals, has been operating since the mid-1950s.

In order to screen the areas to be filled and/or borrowed from to determine if any impacts to the soil would require special handling or preclude the use of the areas for borrow or filling activities, TRC proposed the following steps:

- TRC activities included field location of borings and location of utilities in the boring areas using a private utility locator. TRC proposed to complete borings within the proposed new building footprint with the understanding that top soil and grass will be removed prior to filling activities. Samples from each boring would be submitted for volatile organic compound (VOC), polynuclear aromatic hydrocarbons (PNA), and eight Resource Conservation Control Act (RCRA) metals.
- Based on TRC's understanding that borrow materials are proposed to be obtained from two pond areas – one larger pond on the northwest corner of the Rexnord property and a smaller pond to the east/southeast of the existing building – TRC proposed borings in the pond areas collected samples and submitted for VOC, PNA, RCRA metals, and polychlorinated biphenyls (PCBs).
- Additional borings were completed between the existing building's electroplating area and the proposed new building to screen for potential plating impacts to the exterior of the existing building with samples submitted for VOC, PNA, RCRA metals, and cyanide.

## **SOIL INVESTIGATION ACTIVITIES**

From June 25 to 26, 2017, TRC completed its soil investigation. The soil investigation included seventeen soil borings (TB-1 to TB-15 and EP-1 to EP-2) as shown on Figure 1. Borings identified as TB-1 through TB-15 were advanced around the property in areas that would potentially be a part of construction activities. EP-1 and EP-2 were located near the electroplating area.

Personnel from Earth Solutions, Inc. of St. Charles, Illinois, advanced the soil borings with a Geoprobe® 6620 DT using direct-push technology. A 5-foot long, 2.125-inch outside diameter Macrocore sampler was used to collect continuous soil samples to depths ranging from 5 feet to 30 feet below ground surface (bgs) at each soil boring. Soil boring logs are provided in Attachment A. During completion of the soil borings, TRC continuously characterized and logged the soil geology and screened for the possible presence of volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 electron-volt lamp.

Generally, the upper soil horizons were composed of silty clay materials, underlain by sands and gravels. The property is known to have variable levels of fill that were added to the site during construction of the current industrial building. One to two soil samples from each soil boring were selected for laboratory analyses based on the following: (1) the interval exhibiting the highest PID reading above the field-interpreted water table or, (2) if all PID readings were equal, the interval just above the field interpreted water table where petroleum impacts would be most likely. Sampling analyses for each soil sample included VOCs, PNAs, RCRA metals, pH, and percent moisture utilizing established United States Environmental Protection Agency (USEPA) Methods 8260, 8270D, 6010B, 9045D, and E160.3M, respectively. Samples in the proposed retention pond areas were additionally analyzed for polychlorinated biphenyls (PCBs). Samples in the electroplating area were additionally analyzed for cyanide and hexavalent chromium utilizing established USEPA Methods 8082A, 9014 and 7196A. Samples were submitted under chain-of-custody protocol to TestAmerica in University Park, Illinois.

## **RESULTS**

The soil analytical laboratory results which exhibited detections are summarized in Table 1. Analytical results were compared to the Tier 1 soil remediation objectives (SROs) for residential and industrial/commercial properties and construction worker populations in accordance with 35 Illinois Administrative Code Part 742 – Tiered Approach to Corrective Action Objectives (TACO). The analytical laboratory reports are provided in Attachment B.

In summary, based on the analytical laboratory results, all soil results were below their corresponding Tier 1 SROs for residential and industrial/commercial properties and construction worker populations, with only a few exceptions.

The PAH compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene exceeded the Tier 1 SRO for the soil component of groundwater exposure route at sample TB-4 2.5-5'. In addition, benzo(a)pyrene exceeded the Tier 1 SRO for the industrial/commercial ingestion exposure route at TB-4 2.5-5'. It should be noted, however, that the soil sample was shallow and collected below asphalt paving.

Arsenic exceeded the Tier 1 SRO for the industrial/commercial ingestion exposure route, which is based on the published arsenic background concentration for metropolitan area soils, at samples TB-2 22.5-25', TB-2 27.5-30', TB-4 7.5-10', TB-6 2.5-5', TB-7 0-2.5', and TB-11 1-2.5'. In addition, arsenic exceeded the pH-specific Tier 1 SRO for the soil component of groundwater ingestion exposure route at sample TB-7 0-2.5'. As the sample representing the highest detected concentration of arsenic, TB-7 0-2.5' was then additionally analyzed for Synthetic Precipitate Leaching Procedure (SPLP) arsenic to determine if the concentration was hazardous. The SPLP arsenic analytical results indicated that the concentration was not above the hazardous limit of 5 milligrams per liter (mg/L); nor did the SPLP result exceed the Class I Groundwater (0.05 mg/L) GRO.

No VOCs were detected at concentrations exceeding Tier 1 SROs and, with the exception of acetone and methyl ethyl ketone (which are potential laboratory artifacts), no VOCs were identified at concentrations exceeding laboratory detection limits. The chlorinated solvents which are known potential contaminants in the area of the Site would have been identified within the VOC analysis if present.

## **SUMMARY AND CONCLUSIONS**

Based the concentration detected, the constituents that do exceed applicable Illinois EPA Tier 1 SROs are not believed by TRC to be related to facility operations. Nor does TRC believe they will significantly impact future use of the Site or construction activities. Given the existing groundwater restrictions present at the Site and surrounding area, concentrations exceeding the soil component of the groundwater ingestion exposure route do not impact Site operations. The PAH sample and arsenic samples that exceed the ingestion exposure route and published background concentrations represent minor exceedences of background concentrations and are not facility operational impacts.

We recommend that all soils be managed on Site and as applicable engineered barriers be used to limit potential future ingestion exposure in order to satisfy Illinois EPA regulations.

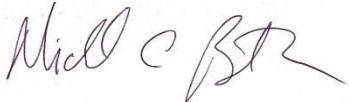
Mr. Tom Frost  
Rexnord Industries, LLC  
July 25, 2017  
Page 4

*Confidential*

If you have any questions regarding this submittal, please contact me at (312) 578-0870, ext. 11909.

Sincerely,

**TRC Environmental Corporation**



Michael Butler, P.E.  
Office Practice Leader



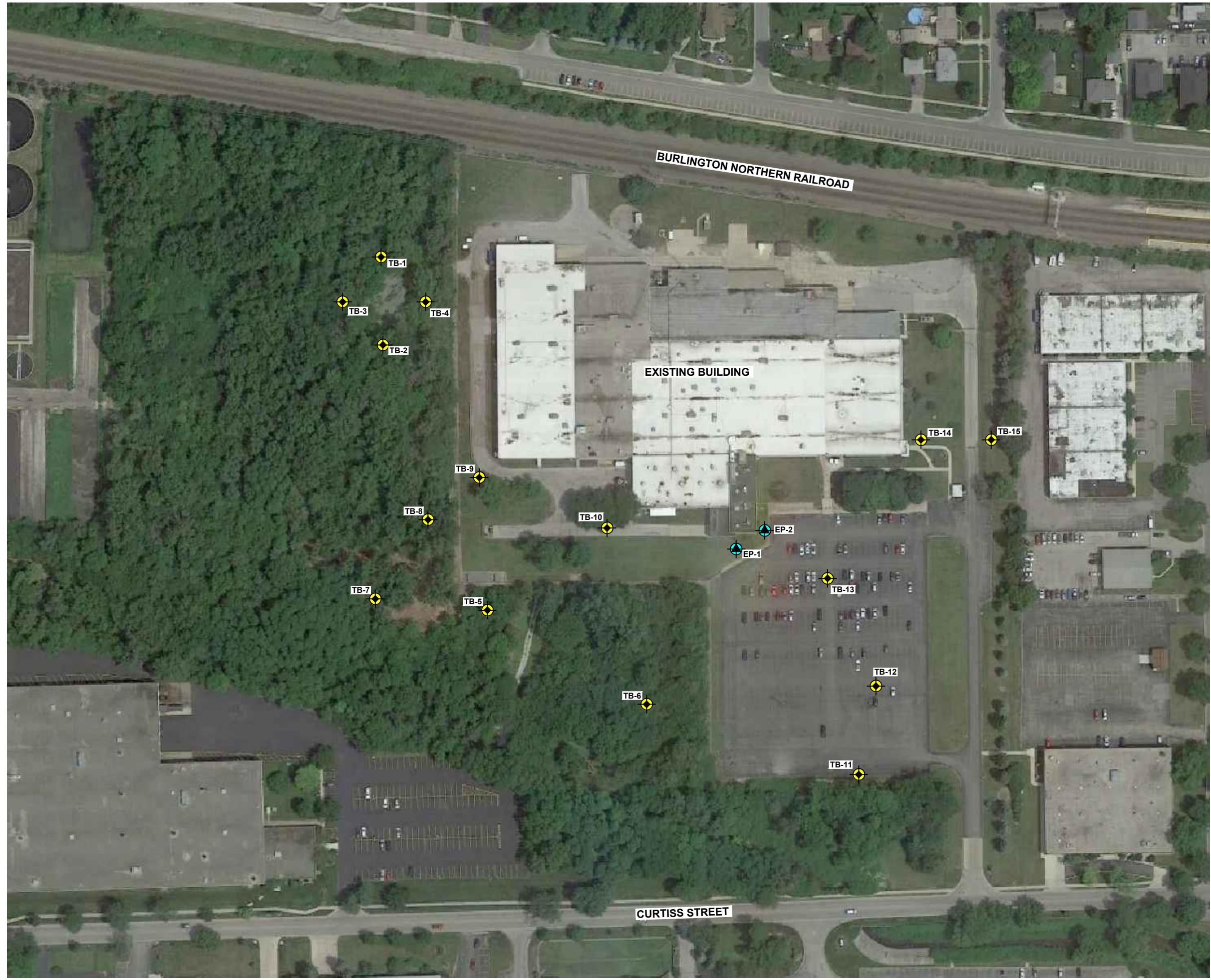
Tyler Gomoll, P.G.  
Project Geologist

Attachments:	Figure 1	Sample Location Map
	Table 1	Soil Analytical Results
	Attachment A	Soil Boring Logs
	Attachment B	Laboratory Analytical Reports

**FIGURE**

**CONFIDENTIAL**

1K17 - ATTACHED XREFS -- ATTACHED IMAGES: Aerial Ref1  
DRAWING NAME: S:\\PROJECTS\\Rexnord\\Project DOC\\CAD Files\\Rexnord-01(aerial).dwg -- PLOT DATE: July 25, 2017 - 9:38AM -- LAYOUT: FIGURE 1



**LEGEND:**

- TEST BORING LOCATION
- ELECTRO-PLATING AREA BORING

PROJECT: <b>REXNORD</b> 2400 CURTISS STREET DOWNERS GROVE, ILLINOIS		
TITLE: <b>APPROXIMATE SAMPLE LOCATION MAP</b>		
DRAWN BY:	SA	PROJ NO.:
CHECKED BY:	MB	277626.000003
APPROVED BY:	MB	
DATE:	JUNE 2017	
<b>FIGURE 1</b>		
 230 West Monroe St. Suite 2300 Chicago, IL 60606 Phone: 312.578.0870		
FILE NO.:	Rexnord-01(aerial).dwg	

**TABLE**

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-1		TB-2		TB-3		TB-4		TB-5	
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					22.5-25'	25-27.5'	22.5-25'	27.5-30'	5-7.5'	10-12.5'	2.5-5'	7.5-10'	5-7.5'	
			Industrial / Commercial		Construction Worker			5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		8.1	8.5	8.3	7.1	8.2	8.2	8.0	7.4	7.7	
<b>PAHs / SVOCs</b>																	
Acenaphthene	570	2900	120000	NE	120000	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.084	<0.039	0.98	<0.038	<0.039	
Acenaphthylene	85	420	61000	NE	61000	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.018	<0.039	0.024	<0.038	<0.039	
Anthracene	12000	59000	610000	NE	610000	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.25	<0.039	2.4	<0.038	<0.039	
Benzo[a]anthracene	2	8	8	NE	170	NE	mg/kg	<0.038	<0.037	<0.036	0.0049	1.1	0.0058	5.7	<0.038	0.010	
Benzo[a]pyrene	8	82	0.8 / 2.1 <sup>4</sup>	NE	17	NE	mg/kg	<0.038	<0.037	<0.036	0.011	1.3	0.010	5.3	0.010	0.017	
Benzo[b]fluoranthene	5	25	8	NE	170	NE	mg/kg	<0.038	<0.037	<0.036	0.0090	1.9	<0.039	7.2	<0.038	0.017	
Benzo[g,h,i]perylene	27000	130000	61000	NE	61000	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.47	<0.039	2.1	<0.038	<0.039	
Benzo[k]fluoranthene	49	250	78	NE	1700	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	2.0	<0.039	2.8	<0.038	<0.039	
Chrysene	160	800	780	NE	17000	NE	mg/kg	0.018	<0.037	<0.036	<0.035	1.4	<0.039	5.9	<0.038	0.014	
Dibenz(a,h)anthracene	2	7.6	0.8	NE	17	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.16	<0.039	0.39	<0.038	<0.039	
Fluoranthene	4300	21000	82000	NE	82000	NE	mg/kg	<0.038	<0.037	<0.036	0.0098	2.9	0.010	14	0.0095	0.025	
Fluorene	560	2800	82000	NE	82000	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.080	<0.039	1.0	<0.038	<0.039	
Indeno[1,2,3-cd]pyrene	14	69	8	NE	170	NE	mg/kg	<0.038	<0.037	<0.036	<0.035	0.46	<0.039	2.1	<0.038	0.012	
Naphthalene	12	18	41000	270	4100	1.8	mg/kg	<0.038	<0.037	<0.036	<0.035	0.0098	<0.039	0.34	<0.038	<0.039	
Phenanthrene	210	1100	61000	NE	61000	NE	mg/kg	0.013	<0.037	<0.036	0.0050	1.3	<0.039	10	0.0055	0.010	
Pyrene	4200	21000	61000	NE	61000	NE	mg/kg	0.014	<0.037	<0.036	0.0095	2.6	0.0093	12	0.0094	0.022	
<b>RCRA Metals</b>																	
Arsenic (pH 6.25-7.24)	29	120	13	1200	61	25000	mg/kg	NA*	NA*	NA*	NA*	22	NA*	NA*	NA*	NA*	
Arsenic (pH 7.25-7.74)	30	120	13	1200	61	25000	mg/kg	NA*	21	11							
Arsenic (pH 7.75-8.24)	31	120	13	1200	61	25000	mg/kg	3.1	NA*	NA*	NA*	12	9.7	7.7	NA*	NA*	
Arsenic (pH 8.25-8.74)	32	130	13	1200	61	25000	mg/kg	NA*	2.9	NA*							
Barium (pH 6.9-7.24)	1700	1700	140000	910000	14000	870000	mg/kg	NA*	NA*	NA*	NA*	15	NA*	NA*	NA*	NA*	
Barium (pH 7.25-7.74)	1800	1800	140000	910000	14000	870000	mg/kg	NA*	62	59							
Barium (pH 7.75-8.24)	2100	2100	140000	910000	14000	870000	mg/kg	27	NA*	NA*	NA*	81	100	49	NA*	NA*	
Barium (pH 8.25-9.0)	NE	NE	140000	910000	14000	870000	mg/kg	NA*	14	80	NA*	NA*	NA*	NA*	NA*	NA*	

Note: Refer to Page 7 of 7

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-1		TB-2		TB-3		TB-4		TB-5	
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					22.5-25'	25-27.5'	22.5-25'	27.5-30'	5-7.5'	10-12.5'	2.5-5'	7.5-10'	5-7.5'	
			Industrial / Commercial		Construction Worker			5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		8.1	8.5	8.3	7.1	8.2	8.2	8.0	7.4	7.7	
Cadmium (pH 6.9-7.24)	11	110	2000	2800	200	59000	mg/kg	NA*	NA*	NA*	0.056	NA*	NA*	NA*	NA*	NA*	
Cadmium (pH 7.25-7.74)	59	590	2000	2800	200	59000	mg/kg	NA*	<0.17	0.18							
Cadmium (pH 7.75-8.24)	430	4300	2000	2800	200	59000	mg/kg	<0.23	NA*	NA*	NA*	0.36	<0.24	0.53	NA*	NA*	
Cadmium (pH 8.25-9.0)	NE	NE	2000	2800	200	59000	mg/kg	NA*	0.089	0.23	NA*	NA*	NA*	NA*	NA*	NA*	
Chromium (pH 6.9-7.24)	36	NE	6100	420	4100	690	mg/kg	NA*	NA*	NA*	7.6	NA*	NA*	NA*	NA*	NA*	
Chromium (pH 7.25-7.74)	32	NE	6100	420	4100	690	mg/kg	NA*	16	13							
Chromium (pH 7.75-8.24)	28	NE	6100	420	4100	690	mg/kg	14	NA*	NA*	NA*	17	24	13	NA*	NA*	
Chromium (pH 8.25-8.74)	24	NE	6100	420	4100	690	mg/kg	NA*	8.4	9.8	NA*	NA*	NA*	NA*	NA*	NA*	
Lead (pH 6.9-8.75)	107	1420	800	NE	700	NE	mg/kg	11	6.0	20	14	37	19	26	29	21	
Selenium (pH 6.9-7.24)	4.5	4.5	10000	NE	1000	NE	mg/kg	NA*	NA*	NA*	1.0	NA*	NA*	NA*	NA*	NA*	
Selenium (pH 7.25-7.74)	3.3	3.3	10000	NE	1000	NE	mg/kg	NA*	1.1	0.61							
Selenium (pH 7.75-8.24)	2.4	2.4	10000	NE	1000	NE	mg/kg	<1.1	NA*	NA*	NA*	0.60	<1.2	<1.1	NA*	NA*	
Selenium (pH 8.25-8.74)	1.8	1.8	10000	NE	1000	NE	mg/kg	NA*	<0.75	0.73	NA*	NA*	NA*	NA*	NA*	NA*	
Silver (pH 6.9-7.24)	13	NE	10000	NE	1000	NE	mg/kg	NA*	NA*	NA*	<0.54	NA*	NA*	NA*	NA*	NA*	
Silver (pH 7.25-7.74)	39	NE	10000	NE	1000	NE	mg/kg	NA*	<0.41	<0.52							
Silver (pH 7.75-8.24)	110	NE	10000	NE	1000	NE	mg/kg	<0.57	NA*	NA*	NA*	<0.46	<0.60	0.40	NA*	NA*	
Silver (pH 8.25-9.0)	NE	NE	10000	NE	1000	NE	mg/kg	NA*	<0.38	0.14	NA*	NA*	NA*	NA*	NA*	NA*	
Mercury (pH 6.9-7.24)**	3.3	16	610	16	61	0.1**	mg/kg	NA*	NA*	NA*	0.014	NA*	NA*	NA*	NA*	NA*	
Mercury (pH 7.25-7.74)**	6.4	32	610	16	61	0.1**	mg/kg	NA*	0.034	0.024							
Mercury (pH 7.75-8.24)**	8	40	610	16	61	0.1**	mg/kg	0.034	NA*	NA*	0.069	0.037	0.12**	NA*	NA*	NA*	
Mercury (pH 8.25-9.0)**	NE	NE	610	16	61	0.1**	mg/kg	NA*	0.011	0.029	NA*	NA*	NA*	NA*	NA*	NA*	
<b>SPLP Metals</b>																	
Arsenic	0.05	0.2	NE	NE	NE	NE	mg/L	NA*									
<b>PCBs</b>																	
PCB-1260	NE	NE	NE	NE	NE	NE	mg/kg	<0.019	<0.018	<0.019	<0.018	0.032	<0.020	0.053	<0.020	NA*	
<b>VOCs</b>																	
Acetone*	25	25	NE	100000	NE	100000	mg/kg	<0.014	<0.016	<0.016	<0.014	0.033	0.024	0.027	<0.021	<0.018	
Methyl Ethyl Ketone*	17	17	1000000	25000	120000	730	mg/kg	<0.0035	<0.0040	<0.0040	<0.0036	0.0046	0.0033	0.0049	<0.0052	<0.0045	

Note: Refer to Page 7 of 7

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-6	TB-7	TB-8	TB-9	TB-10	TB-11	TB-12		TB-13	
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					2.5-5'	0-2.5'	2.5-5'	0-2.5'	2.5-5'	1-2.5'	2.5-5'	15-17.5'	1-2.5'	
			Industrial / Commercial		Construction Worker			5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/26/2017	5/26/2017	5/26/2017	5/26/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		7.5	8.0	7.8	8.2	8.6	7.5	7.4	7.6	7.8	
<b>PAHs / SVOCs</b>																	
Acenaphthene	570	2900	120000	NE	120000	NE	mg/kg	<0.038	<0.039	<0.039	0.056	<0.038	<0.040	<0.037	<0.038	<0.040	
Acenaphthylene	85	420	61000	NE	61000	NE	mg/kg	<0.038	<0.039	<0.039	0.0078	<0.038	<0.040	<0.037	<0.038	<0.040	
Anthracene	12000	59000	610000	NE	610000	NE	mg/kg	<0.038	<0.039	0.012	0.11	0.011	<0.040	<0.037	<0.038	<0.040	
Benzo[a]anthracene	2	8	8	NE	170	NE	mg/kg	<0.038	0.042	0.048	0.42	0.037	0.012	0.0056	<0.038	0.0090	
Benzo[a]pyrene	8	82	0.8 / 2.1 <sup>4</sup>	NE	17	NE	mg/kg	<0.038	0.054	0.050	0.41	0.041	0.024	0.011	0.019	<0.040	
Benzo[b]fluoranthene	5	25	8	NE	170	NE	mg/kg	<0.038	0.079	0.074	0.70	0.055	0.032	0.013	0.027	0.021	
Benzo[g,h,i]perylene	27000	130000	61000	NE	61000	NE	mg/kg	<0.038	0.040	0.032	0.20	0.028	0.020	<0.037	0.022	<0.040	
Benzo[k]fluoranthene	49	250	78	NE	1700	NE	mg/kg	<0.038	0.030	0.028	0.26	0.021	0.014	<0.037	<0.038	<0.040	
Chrysene	160	800	780	NE	17000	NE	mg/kg	<0.038	0.054	0.059	0.50	0.044	0.019	<0.037	0.028	0.013	
Dibenz(a,h)anthracene	2	7.6	0.8	NE	17	NE	mg/kg	<0.038	<0.039	<0.039	0.069	0.010	0.0089	<0.037	<0.038	<0.040	
Fluoranthene	4300	21000	82000	NE	82000	NE	mg/kg	<0.038	0.098	0.11	1.0	0.084	0.033	0.015	0.036	0.024	
Fluorene	560	2800	82000	NE	82000	NE	mg/kg	<0.038	<0.039	<0.039	0.054	0.0080	<0.040	<0.037	<0.038	<0.040	
Indeno[1,2,3-cd]pyrene	14	69	8	NE	170	NE	mg/kg	<0.038	0.038	0.030	0.18	0.032	0.023	0.011	0.016	0.015	
Naphthalene	12	18	41000	270	4100	1.8	mg/kg	<0.038	<0.039	<0.039	0.026	<0.038	<0.040	<0.037	<0.038	<0.040	
Phenanthrene	210	1100	61000	NE	61000	NE	mg/kg	<0.038	0.032	0.055	0.60	0.057	0.015	0.0079	0.033	0.013	
Pyrene	4200	21000	61000	NE	61000	NE	mg/kg	<0.038	0.085	0.098	0.92	0.071	0.028	0.011	0.034	0.020	
<b>RCRA Metals</b>																	
Arsenic (pH 6.25-7.24)	29	120	13	1200	61	25000	mg/kg	NA*									
Arsenic (pH 7.25-7.74)	30	120	13	1200	61	25000	mg/kg	18	NA*	NA*	NA*	NA*	NA*	17	9.3	7.5	
Arsenic (pH 7.75-8.24)	31	120	13	1200	61	25000	mg/kg	NA*	43	8.0	12	NA*	NA*	NA*	NA*	9.1	
Arsenic (pH 8.25-8.74)	32	130	13	1200	61	25000	mg/kg	NA*	NA*	NA*	NA*	12	NA*	NA*	NA*	NA*	
Barium (pH 6.9-7.24)	1700	1700	140000	910000	14000	870000	mg/kg	NA*									
Barium (pH 7.25-7.74)	1800	1800	140000	910000	14000	870000	mg/kg	53	NA*	NA*	NA*	NA*	83	26	27	NA*	
Barium (pH 7.75-8.24)	2100	2100	140000	910000	14000	870000	mg/kg	NA*	51	82	65	NA*	NA*	NA*	NA*	110	
Barium (pH 8.25-9.0)	NE	NE	140000	910000	14000	870000	mg/kg	NA*	NA*	NA*	NA*	50	NA*	NA*	NA*	NA*	

Note: Refer to Page 7 of 7

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-6	TB-7	TB-8	TB-9	TB-10	TB-11	TB-12		TB-13	
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					2.5-5'	0-2.5'	2.5-5'	0-2.5'	2.5-5'	1-2.5'	2.5-5'	15-17.5'	1-2.5'	
			Industrial / Commercial		Construction Worker			5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/26/2017	5/26/2017	5/26/2017	5/26/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		7.5	8.0	7.8	8.2	8.6	7.5	7.4	7.6	7.8	
Cadmium (pH 6.9-7.24)	11	110	2000	2800	200	59000	mg/kg	NA*									
Cadmium (pH 7.25-7.74)	59	590	2000	2800	200	59000	mg/kg	<0.20	NA*	NA*	NA*	NA*	<0.24	0.13	0.080	NA*	
Cadmium (pH 7.75-8.24)	430	4300	2000	2800	200	59000	mg/kg	NA*	0.30	0.17	0.93	NA*	NA*	NA*	NA*	0.064	
Cadmium (pH 8.25-9.0)	NE	NE	2000	2800	200	59000	mg/kg	NA*	NA*	NA*	NA*	0.18	NA*	NA*	NA*	NA*	
Chromium (pH 6.9-7.24)	36	NE	6100	420	4100	690	mg/kg	NA*									
Chromium (pH 7.25-7.74)	32	NE	6100	420	4100	690	mg/kg	16	NA*	NA*	NA*	NA*	NA*	18	10	13	
Chromium (pH 7.75-8.24)	28	NE	6100	420	4100	690	mg/kg	NA*	7.9	14	20	NA*	NA*	NA*	NA*	16	
Chromium (pH 8.25-8.74)	24	NE	6100	420	4100	690	mg/kg	NA*	NA*	NA*	NA*	15	NA*	NA*	NA*	NA*	
Lead (pH 6.9-8.75)	107	1420	800	NE	700	NE	mg/kg	28	43	22	55	21	29	12	13	26	
Selenium (pH 6.9-7.24)	4.5	4.5	10000	NE	1000	NE	mg/kg	NA*									
Selenium (pH 7.25-7.74)	3.3	3.3	10000	NE	1000	NE	mg/kg	<1.0	NA*	NA*	NA*	NA*	1.3	<0.89	0.86	NA*	
Selenium (pH 7.75-8.24)	2.4	2.4	10000	NE	1000	NE	mg/kg	NA*	1.2	0.60	0.77	NA*	NA*	NA*	NA*	<1.0	
Selenium (pH 8.25-8.74)	1.8	1.8	10000	NE	1000	NE	mg/kg	NA*	NA*	NA*	NA*	0.65	NA*	NA*	NA*	NA*	
Silver (pH 6.9-7.24)	13	NE	10000	NE	1000	NE	mg/kg	NA*									
Silver (pH 7.25-7.74)	39	NE	10000	NE	1000	NE	mg/kg	<0.51	NA*	NA*	NA*	NA*	<0.60	<0.44	<0.40	NA*	
Silver (pH 7.75-8.24)	110	NE	10000	NE	1000	NE	mg/kg	NA*	<0.54	<0.44	<0.53	NA*	NA*	NA*	NA*	<0.50	
Silver (pH 8.25-9.0)	NE	NE	10000	NE	1000	NE	mg/kg	NA*	NA*	NA*	NA*	<0.52	NA*	NA*	NA*	NA*	
Mercury (pH 6.9-7.24)**	3.3	16	610	16	61	0.1**	mg/kg	NA*									
Mercury (pH 7.25-7.74)**	6.4	32	610	16	61	0.1**	mg/kg	0.033	NA*	NA*	NA*	NA*	0.092	0.015	0.030	NA*	
Mercury (pH 7.75-8.24)**	8	40	610	16	61	0.1**	mg/kg	NA*	0.047	0.075	0.12**	NA*	NA*	NA*	NA*	0.040	
Mercury (pH 8.25-9.0)**	NE	NE	610	16	61	0.1**	mg/kg	NA*	NA*	NA*	NA*	0.067	NA*	NA*	NA*	NA*	
<b>SPLP Metals</b>																	
Arsenic	0.05	0.2	NE	NE	NE	NE	mg/L	NA*	<0.050	NA*							
<b>PCBs</b>																	
PCB-1260	NE	NE	NE	NE	NE	NE	mg/kg	NA*	NA*	NA*	NA*	NA*	NA*	<0.018	<0.019	NA*	
<b>VOCs</b>																	
Acetone*	25	25	NE	100000	NE	100000	mg/kg	<0.020	<0.016	<0.017	<0.017	<0.016	0.022	<0.014	<0.014	<0.018	
Methyl Ethyl Ketone*	17	17	1000000	25000	120000	730	mg/kg	<0.0050	<0.0039	<0.0043	<0.0044	<0.0039	0.0026	<0.0034	<0.0035	<0.0045	

Note: Refer to Page 7 of 7

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-14		TB-15		EP-1		EP-2		
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					5-7.5'	17.5-20'	10-12.5'	15-17.5'	2.5-5'	12.5-15'	2-4'	12.5-15'	
			Industrial / Commercial		Construction Worker			5/26/2017	5/26/2017	5/26/2017	5/26/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		7.4	7.8	7.9	7.8	7.3	8.2	7.3	8.1	
<b>PAHs / SVOCs</b>																
Acenaphthene	570	2900	120000	NE	120000	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	<0.039	<0.038	<0.040	<0.037	
Acenaphthylene	85	420	61000	NE	61000	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	<0.039	<0.038	<0.040	<0.037	
Anthracene	12000	59000	610000	NE	610000	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.0095	<0.038	<0.040	<0.037	
Benzo[a]anthracene	2	8	8	NE	170	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.024	<0.038	<0.040	<0.037	
Benzo[a]pyrene	8	82	0.8 / 2.1 <sup>4</sup>	NE	17	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.025	<0.038	<0.040	<0.037	
Benzo[b]fluoranthene	5	25	8	NE	170	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.038	<0.038	<0.040	<0.037	
Benzo[g,h,i]perylene	27000	130000	61000	NE	61000	NE	mg/kg	<0.040	0.016	<0.036	0.014	0.018	<0.038	<0.040	<0.037	
Benzo[k]fluoranthene	49	250	78	NE	1700	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.013	<0.038	<0.040	<0.037	
Chrysene	160	800	780	NE	17000	NE	mg/kg	<0.040	0.012	<0.036	0.018	0.030	<0.038	<0.040	<0.037	
Dibenz(a,h)anthracene	2	7.6	0.8	NE	17	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	<0.039	<0.038	<0.040	<0.037	
Fluoranthene	4300	21000	82000	NE	82000	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.055	<0.038	<0.040	<0.037	
Fluorene	560	2800	82000	NE	82000	NE	mg/kg	<0.040	<0.036	<0.036	0.0051	<0.039	<0.038	<0.040	<0.037	
Indeno[1,2,3-cd]pyrene	14	69	8	NE	170	NE	mg/kg	<0.040	<0.036	<0.036	<0.035	0.017	<0.038	<0.040	<0.037	
Naphthalene	12	18	41000	270	4100	1.8	mg/kg	<0.040	0.029	0.018	0.026	<0.039	<0.038	<0.040	<0.037	
Phenanthrene	210	1100	61000	NE	61000	NE	mg/kg	<0.040	0.061	0.065	0.079	0.049	<0.038	<0.040	<0.037	
Pyrene	4200	21000	61000	NE	61000	NE	mg/kg	<0.040	<0.036	<0.036	0.015	0.067	<0.038	<0.040	<0.037	
<b>RCRA Metals</b>																
Arsenic (pH 6.25-7.24)	29	120	13	1200	61	25000	mg/kg	NA*								
Arsenic (pH 7.25-7.74)	30	120	13	1200	61	25000	mg/kg	9.7	NA*	NA*	NA*	12	NA*	12	NA*	
Arsenic (pH 7.75-8.24)	31	120	13	1200	61	25000	mg/kg	NA*	8.0	6.4	9.0	NA*	12	NA*	12	
Arsenic (pH 8.25-8.74)	32	130	13	1200	61	25000	mg/kg	NA*								
Barium (pH 6.9-7.24)	1700	1700	140000	910000	14000	870000	mg/kg	NA*								
Barium (pH 7.25-7.74)	1800	1800	140000	910000	14000	870000	mg/kg	120	NA*	NA*	NA*	86	NA*	50	NA*	
Barium (pH 7.75-8.24)	2100	2100	140000	910000	14000	870000	mg/kg	NA*	19	18	10	NA*	21	NA*	19	
Barium (pH 8.25-9.0)	NE	NE	140000	910000	14000	870000	mg/kg	NA*								

Note: Refer to Page 7 of 7

Table 1: Summary of Analytical Data (Soil - COCs Only)

Rexnord Industries, LLC

2400 Curtiss Street

Downers Grove, Illinois

Confidential

COCs	TACO Tier 1 SROs (mg/kg) <sup>1</sup>						Units	TB-14		TB-15		EP-1		EP-2		
	Soil Component of Groundwater Ingestion Exposure Route		Industrial / Commercial <sup>2</sup>					5-7.5'	17.5-20'	10-12.5'	15-17.5'	2.5-5'	12.5-15'	2-4'	12.5-15'	
			Industrial / Commercial		Construction Worker			5/26/2017	5/26/2017	5/26/2017	5/26/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	
	Class I	Class II	Ingestion	Inhalation	Ingestion	Inhalation		7.4	7.8	7.9	7.8	7.3	8.2	7.3	8.1	
Cadmium (pH 6.9-7.24)	11	110	2000	2800	200	59000	mg/kg	NA*								
Cadmium (pH 7.25-7.74)	59	590	2000	2800	200	59000	mg/kg	<0.25	NA*	NA*	NA*	0.20	NA*	0.17	NA*	
Cadmium (pH 7.75-8.24)	430	4300	2000	2800	200	59000	mg/kg	NA*	0.058	0.20	0.15	NA*	0.20	NA*	0.29	
Cadmium (pH 8.25-9.0)	NE	NE	2000	2800	200	59000	mg/kg	NA*								
Chromium (pH 6.9-7.24)	36	NE	6100	420	4100	690	mg/kg	NA*								
Chromium (pH 7.25-7.74)	32	NE	6100	420	4100	690	mg/kg	30	NA*	NA*	NA*	19	NA*	14	NA*	
Chromium (pH 7.75-8.24)	28	NE	6100	420	4100	690	mg/kg	NA*	8.8	9.8	5.2	NA*	9.4	NA*	6.8	
Chromium (pH 8.25-8.74)	24	NE	6100	420	4100	690	mg/kg	NA*								
Lead (pH 6.9-8.75)	107	1420	800	NE	700	NE	mg/kg	17	11	9.6	7.9	30	14	21	13	
Selenium (pH 6.9-7.24)	4.5	4.5	10000	NE	1000	NE	mg/kg	NA*								
Selenium (pH 7.25-7.74)	3.3	3.3	10000	NE	1000	NE	mg/kg	0.74	NA*	NA*	NA*	1.9	NA*	1.4	NA*	
Selenium (pH 7.75-8.24)	2.4	2.4	10000	NE	1000	NE	mg/kg	NA*	0.48	0.59	0.63	NA*	<1.1	NA*	<0.77	
Selenium (pH 8.25-8.74)	1.8	1.8	10000	NE	1000	NE	mg/kg	NA*								
Silver (pH 6.9-7.24)	13	NE	10000	NE	1000	NE	mg/kg	NA*								
Silver (pH 7.25-7.74)	39	NE	10000	NE	1000	NE	mg/kg	<0.62	NA*	NA*	NA*	<0.57	NA*	<0.53	NA*	
Silver (pH 7.75-8.24)	110	NE	10000	NE	1000	NE	mg/kg	NA*	<0.36	<0.46	<0.36	NA*	<0.55	NA*	<0.38	
Silver (pH 8.25-9.0)	NE	NE	10000	NE	1000	NE	mg/kg	NA*								
Mercury (pH 6.9-7.24)**	3.3	16	610	16	61	0.1**	mg/kg	NA*								
Mercury (pH 7.25-7.74)**	6.4	32	610	16	61	0.1**	mg/kg	0.024	NA*	NA*	NA*	0.12**	NA*	0.057	NA*	
Mercury (pH 7.75-8.24)**	8	40	610	16	61	0.1**	mg/kg	NA*	0.021	0.016	0.014	NA*	0.022	NA*	0.015	
Mercury (pH 8.25-9.0)**	NE	NE	610	16	61	0.1**	mg/kg	NA*								
<b>SPLP Metals</b>																
Arsenic	0.05	0.2	NE	NE	NE	NE	mg/L	NA*								
<b>PCBs</b>																
PCB-1260	NE	NE	NE	NE	NE	NE	mg/kg	<0.020	<0.018	<0.018	<0.018	<0.020	<0.019	<0.020	<0.018	
<b>VOCs</b>																
Acetone*	25	25	NE	100000	NE	100000	mg/kg	<0.020	<0.013	<0.016	<0.013	0.031	<0.013	<0.015	<0.015	
Methyl Ethyl Ketone*	17	17	1000000	25000	120000	730	mg/kg	<0.0050	<0.0033	<0.0041	<0.0034	0.0028	<0.0032	<0.0038	<0.0038	

Note: Refer to Page 7 of 7

**ATTACHMENT A**

**SOIL BORING LOGS**



## SOIL BORING LOG

BORING NO. EP-1

Page 1 of 1

Facility/Project Name: Rexnord - Project DG			Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626	
Drilling Firm: Earth Solutions		Drilling Method: Direct Push	Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 14.0	
Boring Location: See Figure 1			Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT		
Civil Town/City or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)		
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS GRAPHIC LOG PID (PPM) COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	92			Black TOPSOIL	T	
GP	73		2	Light Brown, silty clay FILL, low plasticity, moist	F	0.1 4.25
GP	58		4	Loose gravel FILL, dry	F	0.0 4.25
			6	Dark brown silty CLAY, low plasticity, moist	CL	Soil sample: EP-1 2.5-5.0'
			8	Light brown, gravelly silty CLAY, low plasticity, moist		0.0 3.75
			10			0.2 4.25
			12	Less gravel below 12' bgs	CL	0.3 2.5
			14	Refusal at 14' bgs	CL	0.5 4.0 Soil sample: EP-1 12.5-14.0'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP. INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. EP-2

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 15.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: Geoprobe 6620DT			
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time					
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	80			Black TOPSOIL, medium plasticity, moist	T				
GP	65			Loose gravel FILL	F		0.6	3.5	
GP	57		2	Dark brown silty CLAY, low plasticity, moist, some fine gravel	CL		1.0	2.25	
			4	Light brown SAND, some gravel, rusty brown zones	SP		0.0	2.75	Soil Sample: EP-2 2-4'
			6				0.4		
			8				0.0	2.75	
			10				0.3		
			12				0.3	1.5	
			14	Wet					
				EOB at 15' bgs					Soil Sample: EP-2 12.5-15'



## SOIL BORING LOG

BORING NO. TB-01

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 29.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	63			ASPHALT	/\//\//		0.1	1.5	No odors or staining
GP	80			Dark brown, gravelly silty clay, low plasticity, moist, likely FILL	F		0.1	3.5	
GP	5						0.0	2.5	
GP	77			Some sand from 7-8' bgs Stone chips from 8-9' bgs			0.2	3.25	
GP	10						0.1	4.0	
GP	15			Tan silty CLAY, low plasticity, moist	CL		0.0	1.5	
GP	20			Brown to rusty brown loose SAND plus gravel. Some zones of low plasticity clay, sand and gravel			0.2	3.5	
GP	25						0.1	2.75	Soil Sample: TB-1 22.5-25'
GP	125			Light brown, silty CLAY, medium plasticity, moist	CL		0.2	1.75	
				Fine-grain, poorly graded, light brown SAND	SP		0.0	0.0	Soil Sample: TB-1 25-27.5'
				Light brown CLAY	CL				
				Very light brown, fine-grain, poorly graded SAND	SP				
				Refusal at 29' bgs					

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP. INCHES.GDT 6/23/17

Signature:

Firm: TRC

230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-02

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 30.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	57			Asphalt	/ / /		0.1	2.0	
GP	73		5	Dark brown, gravelly, silty clay, low plasticity, moist FILL	F		0.2	3.0	
GP	100		10	Black TOPSOIL, medium plasticity	T		0.1	4.25	
GP	67		15	Light brown, silty CLAY, medium plasticity, moist	CL		0.0	2.5	
GP	43		20	Brown to rusty brown, loose SAND plus gravel	SP-SC		0	2.25	
GP	63		25	Silty, sandy wet zone, low plasticity from 23-27' bgs			0.1	3.0	Soil Sample: TB-2 22.5-25'
			30	EOB at 30' bgs			0.1	0.0	Soil Sample: TB-2 27.5-30'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-03

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 20.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: Geoprobe 6620DT			
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time					
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	53			Asphalt	/\//\//				
GP	57		2	Dark brown, gravelly silty CLAY, low plasticity, moist	CL	/\//\//	0.4	1.0	
GP	100		4						
GP			6						
GP			8						
GP			10	Black TOPSOIL, medium plasticity, moist	T	/\//\//	1.0	2.0	
GP			12	Light brown, silty CLAY, medium plasticity, moist	CL	/\//\//	0.4	3.0	
GP			14						
GP			16						
GP			18	Rusty brown, loose SAND and gravel	SP-SC	/\//\//	0.7	4.0	
			20	EOB at 20' bgs					



## SOIL BORING LOG

BORING NO. TB-04

Page 1 of 1

Facility/Project Name: Rexnord - Project DG			Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626	
Drilling Firm: Earth Solutions		Drilling Method: Direct Push	Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 20.0	
Boring Location: See Figure 1			Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT		
Civil Town/City or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)		
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS GRAPHIC LOG PID (PPM) COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	70			Asphalt		
GP	70		2	Brown, loose SAND and gravel	SP-SC 0.7	3.5
GP	70		4	Dark brown, gravelly, silty CLAY, low plasticity, moist. Piece of slag found at 6' bgs	CL 0.8	1.5
GP	70		6	Black TOPSOIL, medium plasticity, moist	T 1.1	2.5
GP	53		8	Light brown, silty CLAY, medium plasticity, moist	CL 0.1	3.0
GP	53		10			Soil Sample: TB-4 7.5-10'
GP	45		12			
GP	45		14	Rusty brown, loose SAND and gravel, moist	SP-SC 0.3	0.75
GP	45		16			
GP	45		18			
GP	45		20	Silty, clayey zone, low plasticity at 18-19' bgs	SP-SC 0.1	2.25
				EOB at 20' bgs		

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax



## SOIL BORING LOG

BORING NO. TB-05

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 15.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	77			Black TOPSOIL, moist, medium plasticity	T		0.3	3.25	
GP	55		2	Brown, silty CLAY, medium plasticity, moist, some fine gravel	CL		0.3	2.0	
GP	43		4				0.4	0.75	
GP			6						
GP			8	Brown, clayey GRAVEL and sand, low plasticity, moist	GC				Soil Sample: TB-5 5-7.5'
GP			10	6" of fine-grain SAND, poorly graded	SP		0.0	0.5	
GP			12	Brown, clayey GRAVEL and sand, low plasticity, moist	GC		0.1	0.75	
GP			14	Brown silty CLAY, low plasticity, moist	CL		0.0	2.0	
				EOB at 15' bgs					



## SOIL BORING LOG

BORING NO. TB-06

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 15.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	57			Black TOPSOIL, medium plasticity, moist	T		0.0	0.5	
GP	48		2	Brown, silty CLAY, medium plasticity, moist, some fine gravel	CL		0.0	4.0	
GP	37		4				0.1	1.75	Soil Sample: TB-6 2.5-5'
			6						
			8	Brown, clayey GRAVEL and sand, low plasticity, moist	GC		0.0	2.5	
			10						
			12						
			14	EOB at 15' bgs					

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-07

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 5.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time						
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	67			Brown, silty Clay, medium plasticity, moist	CL				
				Rusty brown, loose SAND and gravel, some low plasticity clayey silt zones	SP-SC		0.3	1.75	Soil Sample: TB-7 0-2.5'
								0.3	
				EOB at 5' bgs					

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jancke



## SOIL BORING LOG

BORING NO. TB-08

Page 1 of 2

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 15.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	100			Black TOPSOIL, medium plasticity, moist	T		0.0	2.5	
GP	80		2	Brown, gravelly, silty CLAY, low plasticity, moist			0.0	3.5	
			4				0.0	2.0	Soil Sample: TB-8 2.5-5'
			6				0.0	1.0	
			8				0.0	1.25	
			10	Wet zone, silty at 11' bgs			0.0	1.75	
			12				0.0		
			14	Loose SAND and gravel, moist	SP-SC		0.0		
			15	EOB at 15' bgs					

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax



## SOIL BORING LOG

BORING NO. TB-08

Page 2 of 2

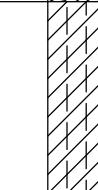
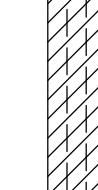
SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP		25		18						
				20						
				22						
				24						
				26						
				28						
				30						
				32						
				34						
				36						



## SOIL BORING LOG

BORING NO. TB-09

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 5.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	100			Black TOPSOIL, medium plasticity, moist	T				
			1	Brown, gravelly, silty CLAY, low plasticity, moist			0.0	1.5	
			2						
			3						
			4						
			5	EOB at 5' bgs			0.4	2.5	Soil Sample: TB-9 0-2.5'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-10

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/25/17	Date Drilling Completed: 5/25/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 5.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time						
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP				Loose gravel FILL, dry					
			1	Brown, gravelly, silty CLAY, low plasticity, moist			0.4	4.0	
			2						
			3						
			4						
			5	EOB at 5' bgs			0.3	2.0	Soil Sample: TB-10 2.5-5'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-11

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/26/17	Date Drilling Completed: 5/26/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 5.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: Geoprobe 6620DT			
Civil Town/City/or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time						
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	67			Black TOPSOIL, medium plasticity	T				
			1	Gravel FILL			0.2	2.75	
			2	Brown, silty CLAY, medium plasticity, moist					
			3		CL				
			4	Brown, clayey SAND and gravel, low plasticity, moist	SC		0.6	1.5	
			5	EOB at 5' bgs					Soil Sample: TB-11 1-2.5'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC

230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jannek



## SOIL BORING LOG

BORING NO. TB-12

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/26/17	Date Drilling Completed: 5/26/17	Project Number: 277626				
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 20.0				
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove	County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time							
SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	75			ASPHALT			/\//\//	0.1	1.25	
GP	47			Gravel FILL Brown, silty CLAY, medium plasticity, moist, some fine gravel			CL	0.0	3.75	
GP	20			Loose SAND and gravel, some clay, moist			SP-SC	0.8	0.5	Soil Sample: TB-12 2.5-5'
GP	80			Poor recovery from 10-15'			SP	0.3	3.0	
GP				Light brown, silty CLAY, low plasticity, moist, some fine gravel			CL	1.6		
GP				Stone chips and SAND, loose, dry			SP	1.9	2.75	Soil Sample: TB-12 15-17.5'
GP				EOB at 20' bgs				2.7		



## SOIL BORING LOG

**BORING NO. TB-13**

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/26/17	Date Drilling Completed: 5/26/17	Project Number: 277626			
Drilling Firm: <b>Earth Solutions</b>		Drilling Method: <b>Direct Push</b>		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) <b>5.0</b>	Borehole Dia. (in) <b>2.125</b>		
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: <b>Geoprobe 6620DT</b>			
Civil Town/City or Village: <b>Downers Grove</b>		County: <b>Dupage</b>	State: <b>Illinois</b>	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time		Depth (ft bgs)	Depth (ft bgs)		
SAMPLE		DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS	
NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS							
GP		65			1				
6/23/17		ASPHALT			2.8			Slight odor	
GP		Gravel FILL			1.25			Soil Sample: TB-13 1-2.5'	
65		Black, silty CLAY, medium plasticity, moist, some fine gravel			3.1				
GP		2			2.25				
GP		3							
GP		4							
GP		5							
EOB at 5' bgs									

Signature:	Firm: TRC 230 W. Monroe St. Chicago, IL 60606
------------	--

 Checked By: Adam Jannek

Fax



## SOIL BORING LOG

BORING NO. TB-14

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/26/17	Date Drilling Completed: 5/26/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 20.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna	Drilling Equipment: Geoprobe 6620DT				
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	Depth (ft bgs) Depth (ft bgs)				
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	90			Black TOPSOIL, medium plasticity, moist Dark brown, silty CLAY, low plasticity, dry	T		3.6	2.0	
GP	92		2		CL		4.5	2.0	
GP	92		4	Light brown, silty CLAY, medium plasticity, moist, some fine gravel			4.5	3.0	
GP	100		6				3.8	3.5	Soil Sample: TB-14 5-7.5'
GP	90		8				2.8	3.5	
GP	90		10				3.8	3.5	
GP	90		12				3.7	1.75	
GP	90		14				3.3	1.75	
GP	90		16	Color shifts to light grey from 15-20'					
GP	90		18						
GP	90		20	EOB at 20' bgs					Soil Sample: TB-14 17.5-20'

SOIL BORING WELL CONSTRUCTION LOG PROJECT DG BORING LOGS - COPY.GPJ TRC CORP INCHES.GDT 6/23/17

Signature:

Firm: TRC  
230 W. Monroe St. Chicago, IL 60606

Fax

Checked By: Adam Jancke



## SOIL BORING LOG

BORING NO. TB-15

Page 1 of 1

Facility/Project Name: Rexnord - Project DG				Date Drilling Started: 5/26/17	Date Drilling Completed: 5/26/17	Project Number: 277626			
Drilling Firm: Earth Solutions		Drilling Method: Direct Push		Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) 20.0			
Boring Location: See Figure 1				Personnel Logged By - Tyler Gomoll Driller - Jorge Luna		Drilling Equipment: Geoprobe 6620DT			
Civil Town/City or Village: Downers Grove		County: Dupage	State: Illinois	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time					
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMPRESSIVE STRENGTH (TSF)	COMMENTS
GP	82			Black TOPSOIL, medium plasticity, moist	T		3.8	2.5	
GP	68		2	Light brown, silty CLAY, medium plasticity, moist, some fine gravel			3.8	2.0	
GP	73		4				3.7	2.25	
GP	100		6				1.3	3.0	
GP			8				3.3	1.25	
GP			10				3.3	1.5	Soil Sample: TB-15 10-12.5'
GP			12	Color shifts to grey from 11-17'			2.6	2.75	
GP			14				1.6	2.0	Soil Sample: TB-15 15-17.5'
GP			16	Color shifts back to brown from 16-18'					
GP			18	Loose SAND and gravel	SP-SC				
GP			20	EOB at 20' bgs					

**ATTACHMENT B**

**LABORATORY ANALYTICAL REPORTS**

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-128769-1

Client Project/Site: DG - Downers Grove, IL

For:

TRC Environmental Corporation

230 West Monroe

Suite 2300

Chicago, Illinois 60606

Attn: Michael Butler

Authorized for release by:

6/12/2017 1:49:24 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

### LINKS

Review your project  
results through

TotalAccess

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Detection Summary .....	4
Method Summary .....	13
Sample Summary .....	14
Client Sample Results .....	15
Definitions .....	51
QC Association .....	52
Surrogate Summary .....	59
QC Sample Results .....	61
Chronicle .....	71
Certification Summary .....	83
Chain of Custody .....	84
Receipt Checklists .....	86

# Case Narrative

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Job ID: 500-128769-1**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative  
500-128769-1**

## Comments

No additional comments.

## Receipt

The samples were received on 5/26/2017 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.3° C, 4.1° C, 5.3° C and 5.9° C.

## GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 22.5-25**

**Lab Sample ID: 500-128769-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.018	J	0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.013	J	0.038	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.014	J	0.038	0.0075	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	3.1		1.1	0.39	mg/Kg	1	⊗	6010B	Total/NA
Barium	27	V	1.1	0.13	mg/Kg	1	⊗	6010B	Total/NA
Chromium	14		1.1	0.57	mg/Kg	1	⊗	6010B	Total/NA
Lead	11	F1	0.57	0.27	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.034		0.017	0.0056	mg/Kg	1	⊗	7471B	Total/NA
pH	8.1		0.2	0.2	SU	1		9045D	Total/NA

**Client Sample ID: TB-1 25-27.5**

**Lab Sample ID: 500-128769-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		0.75	0.26	mg/Kg	1	⊗	6010B	Total/NA
Barium	14		0.75	0.086	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.089	J	0.15	0.027	mg/Kg	1	⊗	6010B	Total/NA
Chromium	8.4		0.75	0.37	mg/Kg	1	⊗	6010B	Total/NA
Lead	6.0		0.38	0.17	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.011	J	0.017	0.0055	mg/Kg	1	⊗	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

**Client Sample ID: TB-2 22.5-25**

**Lab Sample ID: 500-128769-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	20		0.87	0.30	mg/Kg	1	⊗	6010B	Total/NA
Barium	80		0.87	0.099	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.23		0.17	0.031	mg/Kg	1	⊗	6010B	Total/NA
Chromium	9.8		0.87	0.43	mg/Kg	1	⊗	6010B	Total/NA
Lead	20		0.43	0.20	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.73	J	0.87	0.51	mg/Kg	1	⊗	6010B	Total/NA
Silver	0.14	J	0.43	0.11	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.029		0.017	0.0056	mg/Kg	1	⊗	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

**Client Sample ID: TB-2 27.5-30**

**Lab Sample ID: 500-128769-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0049	J	0.035	0.0048	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.035	0.0069	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.0090	J	0.035	0.0077	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.0098	J	0.035	0.0066	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.0050	J	0.035	0.0049	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.0095	J	0.035	0.0070	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	22		1.1	0.37	mg/Kg	1	⊗	6010B	Total/NA
Barium	15		1.1	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.056	J	0.22	0.039	mg/Kg	1	⊗	6010B	Total/NA
Chromium	7.6		1.1	0.54	mg/Kg	1	⊗	6010B	Total/NA
Lead	14		0.54	0.25	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.0	J	1.1	0.64	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.014	J	0.017	0.0055	mg/Kg	1	⊗	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-2 27.5-30 (Continued)

## Lab Sample ID: 500-128769-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	8.1		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-3 5-7.5

## Lab Sample ID: 500-128769-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.084		0.040	0.0072	mg/Kg	1	⊗	8270D	Total/NA
Acenaphthylene	0.018	J	0.040	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Anthracene	0.25		0.040	0.0067	mg/Kg	1	⊗	8270D	Total/NA
Benzog,h,i]perylene	0.47		0.040	0.013	mg/Kg	1	⊗	8270D	Total/NA
Dibenz(a,h)anthracene	0.16		0.040	0.0078	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.46		0.040	0.010	mg/Kg	1	⊗	8270D	Total/NA
Naphthalene	0.0098	J	0.040	0.0062	mg/Kg	1	⊗	8270D	Total/NA
Fluorene	0.080		0.040	0.0057	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]anthracene - DL	1.1		0.080	0.011	mg/Kg	2	⊗	8270D	Total/NA
Benzo[a]pyrene - DL	1.3		0.080	0.016	mg/Kg	2	⊗	8270D	Total/NA
Benzo[b]fluoranthene - DL	1.9		0.080	0.017	mg/Kg	2	⊗	8270D	Total/NA
Benzo[k]fluoranthene - DL	2.0		0.080	0.024	mg/Kg	2	⊗	8270D	Total/NA
Chrysene - DL	1.4		0.080	0.022	mg/Kg	2	⊗	8270D	Total/NA
Fluoranthene - DL	2.9		0.080	0.015	mg/Kg	2	⊗	8270D	Total/NA
Phenanthrene - DL	1.3		0.080	0.011	mg/Kg	2	⊗	8270D	Total/NA
Pyrene - DL	2.6		0.080	0.016	mg/Kg	2	⊗	8270D	Total/NA
PCB-1260	0.032		0.020	0.0096	mg/Kg	1	⊗	8082A	Total/NA
Arsenic	12		0.93	0.32	mg/Kg	1	⊗	6010B	Total/NA
Barium	81		0.93	0.11	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.36		0.19	0.033	mg/Kg	1	⊗	6010B	Total/NA
Chromium	17		0.93	0.46	mg/Kg	1	⊗	6010B	Total/NA
Lead	37		0.46	0.21	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.60	J	0.93	0.54	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.069		0.018	0.0061	mg/Kg	1	⊗	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-3 10-12.5

## Lab Sample ID: 500-128769-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0058	J	0.039	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.010	J	0.039	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.010	J	0.039	0.0073	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.0093	J	0.039	0.0078	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	9.7		1.2	0.41	mg/Kg	1	⊗	6010B	Total/NA
Barium	100		1.2	0.14	mg/Kg	1	⊗	6010B	Total/NA
Chromium	24		1.2	0.60	mg/Kg	1	⊗	6010B	Total/NA
Lead	19		0.60	0.28	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.037		0.019	0.0063	mg/Kg	1	⊗	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-4 2.5-5

## Lab Sample ID: 500-128769-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.98		0.037	0.0068	mg/Kg	1	⊗	8270D	Total/NA
Acenaphthylene	0.024	J	0.037	0.0050	mg/Kg	1	⊗	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-4 2.5-5 (Continued)

## Lab Sample ID: 500-128769-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	0.39		0.037	0.0073	mg/Kg	1	⊗	8270D	Total/NA
Naphthalene	0.34		0.037	0.0058	mg/Kg	1	⊗	8270D	Total/NA
Fluorene	1.0		0.037	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Anthracene - DL	2.4		0.37	0.063	mg/Kg	10	⊗	8270D	Total/NA
Benzo[a]anthracene - DL	5.7		0.37	0.051	mg/Kg	10	⊗	8270D	Total/NA
Benzo[a]pyrene - DL	5.3		0.37	0.073	mg/Kg	10	⊗	8270D	Total/NA
Benzo[b]fluoranthene - DL	7.2		0.37	0.081	mg/Kg	10	⊗	8270D	Total/NA
Benzo[g,h,i]perylene - DL	2.1		0.37	0.12	mg/Kg	10	⊗	8270D	Total/NA
Benzo[k]fluoranthene - DL	2.8		0.37	0.11	mg/Kg	10	⊗	8270D	Total/NA
Chrysene - DL	5.9		0.37	0.10	mg/Kg	10	⊗	8270D	Total/NA
Fluoranthene - DL	14		0.37	0.070	mg/Kg	10	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	2.1		0.37	0.097	mg/Kg	10	⊗	8270D	Total/NA
Phenanthrene - DL	10		0.37	0.052	mg/Kg	10	⊗	8270D	Total/NA
Pyrene - DL	12		0.37	0.075	mg/Kg	10	⊗	8270D	Total/NA
PCB-1260	0.053		0.019	0.0092	mg/Kg	1	⊗	8082A	Total/NA
Arsenic	7.7		1.1	0.39	mg/Kg	1	⊗	6010B	Total/NA
Barium	49		1.1	0.13	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.53		0.23	0.041	mg/Kg	1	⊗	6010B	Total/NA
Chromium	13		1.1	0.57	mg/Kg	1	⊗	6010B	Total/NA
Lead	26		0.57	0.27	mg/Kg	1	⊗	6010B	Total/NA
Silver	0.40	J	0.57	0.15	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.12		0.018	0.0061	mg/Kg	1	⊗	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-4 7.5-10

## Lab Sample ID: 500-128769-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.010	J	0.038	0.0075	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.0095	J	0.038	0.0072	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.0055	J	0.038	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.0094	J	0.038	0.0077	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	21		0.83	0.28	mg/Kg	1	⊗	6010B	Total/NA
Barium	62		0.83	0.094	mg/Kg	1	⊗	6010B	Total/NA
Chromium	16		0.83	0.41	mg/Kg	1	⊗	6010B	Total/NA
Lead	29		0.41	0.19	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.1		0.83	0.49	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.034		0.017	0.0058	mg/Kg	1	⊗	7471B	Total/NA
pH	7.4		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-5 5-7.5

## Lab Sample ID: 500-128769-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.010	J	0.039	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.017	J	0.039	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.017	J	0.039	0.0084	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.014	J	0.039	0.011	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.025	J	0.039	0.0072	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.012	J	0.039	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.010	J	0.039	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.022	J	0.039	0.0078	mg/Kg	1	⊗	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-5 5-7.5 (Continued)

## Lab Sample ID: 500-128769-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11		1.0	0.35	mg/Kg	1	⊗	6010B	Total/NA
Barium	59		1.0	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.18	J	0.21	0.037	mg/Kg	1	⊗	6010B	Total/NA
Chromium	13		1.0	0.51	mg/Kg	1	⊗	6010B	Total/NA
Lead	21		0.52	0.24	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.61	J	1.0	0.61	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.024		0.019	0.0062	mg/Kg	1	⊗	7471B	Total/NA
pH	7.7		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-6 2.5-5

## Lab Sample ID: 500-128769-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18		1.0	0.35	mg/Kg	1	⊗	6010B	Total/NA
Barium	53		1.0	0.12	mg/Kg	1	⊗	6010B	Total/NA
Chromium	16		1.0	0.50	mg/Kg	1	⊗	6010B	Total/NA
Lead	28		0.51	0.23	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.033		0.020	0.0066	mg/Kg	1	⊗	7471B	Total/NA
pH	7.5		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-7 0-2.5

## Lab Sample ID: 500-128769-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.042		0.039	0.0052	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.054		0.039	0.0075	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.079		0.039	0.0084	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.040		0.039	0.013	mg/Kg	1	⊗	8270D	Total/NA
Benzo[k]fluoranthene	0.030	J	0.039	0.011	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.054		0.039	0.011	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.098		0.039	0.0072	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.038	J	0.039	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.032	J	0.039	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.085		0.039	0.0077	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	43		1.1	0.37	mg/Kg	1	⊗	6010B	Total/NA
Barium	51		1.1	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.30		0.22	0.039	mg/Kg	1	⊗	6010B	Total/NA
Chromium	7.9		1.1	0.54	mg/Kg	1	⊗	6010B	Total/NA
Lead	43		0.54	0.25	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.2		1.1	0.64	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.047		0.018	0.0061	mg/Kg	1	⊗	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-8 2.5-5

## Lab Sample ID: 500-128769-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.012	J	0.039	0.0066	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]anthracene	0.048		0.039	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.050		0.039	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.074		0.039	0.0085	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.032	J	0.039	0.013	mg/Kg	1	⊗	8270D	Total/NA
Benzo[k]fluoranthene	0.028	J	0.039	0.012	mg/Kg	1	⊗	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-8 2.5-5 (Continued)

## Lab Sample ID: 500-128769-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.059		0.039	0.011	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.11		0.039	0.0073	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.030	J	0.039	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.055		0.039	0.0055	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.098		0.039	0.0078	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	8.0		0.87	0.30	mg/Kg	1	⊗	6010B	Total/NA
Barium	82		0.87	0.10	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.17		0.17	0.031	mg/Kg	1	⊗	6010B	Total/NA
Chromium	14		0.87	0.43	mg/Kg	1	⊗	6010B	Total/NA
Lead	22		0.44	0.20	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.60	J	0.87	0.51	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.075		0.020	0.0066	mg/Kg	1	⊗	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-9 0-2.5

## Lab Sample ID: 500-128769-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.056		0.038	0.0069	mg/Kg	1	⊗	8270D	Total/NA
Acenaphthylene	0.0078	J	0.038	0.0051	mg/Kg	1	⊗	8270D	Total/NA
Anthracene	0.11		0.038	0.0064	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]anthracene	0.42		0.038	0.0052	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.41		0.038	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.70		0.038	0.0083	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.20		0.038	0.012	mg/Kg	1	⊗	8270D	Total/NA
Benzo[k]fluoranthene	0.26		0.038	0.011	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.50		0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Dibenz(a,h)anthracene	0.069		0.038	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	1.0		0.038	0.0071	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.18		0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Naphthalene	0.026	J	0.038	0.0059	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.60		0.038	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.92		0.038	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Fluorene	0.054		0.038	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	12		1.1	0.36	mg/Kg	1	⊗	6010B	Total/NA
Barium	65		1.1	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.93		0.21	0.038	mg/Kg	1	⊗	6010B	Total/NA
Chromium	20		1.1	0.52	mg/Kg	1	⊗	6010B	Total/NA
Lead	55		0.53	0.24	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.77	J	1.1	0.62	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.12		0.018	0.0059	mg/Kg	1	⊗	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-10 2.5-5

## Lab Sample ID: 500-128769-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.011	J	0.038	0.0064	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]anthracene	0.037	J	0.038	0.0052	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.041		0.038	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.055		0.038	0.0083	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.028	J F1	0.038	0.012	mg/Kg	1	⊗	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-10 2.5-5 (Continued)

## Lab Sample ID: 500-128769-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.021	J	0.038	0.011	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.044		0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Dibenz(a,h)anthracene	0.010	J	0.038	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.084		0.038	0.0071	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.032	J	0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.057		0.038	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.071	F1	0.038	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Fluorene	0.0080	J	0.038	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	12		1.0	0.36	mg/Kg	1	⊗	6010B	Total/NA
Barium	50		1.0	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.18	J	0.21	0.038	mg/Kg	1	⊗	6010B	Total/NA
Chromium	15		1.0	0.52	mg/Kg	1	⊗	6010B	Total/NA
Lead	21		0.52	0.24	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.65	J	1.0	0.62	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.067		0.020	0.0065	mg/Kg	1	⊗	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-11 1-2.5

## Lab Sample ID: 500-128769-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.012	J	0.040	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.024	J	0.040	0.0078	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.032	J	0.040	0.0087	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.020	J	0.040	0.013	mg/Kg	1	⊗	8270D	Total/NA
Benzo[k]fluoranthene	0.014	J	0.040	0.012	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.019	J	0.040	0.011	mg/Kg	1	⊗	8270D	Total/NA
Dibenz(a,h)anthracene	0.0089	J	0.040	0.0077	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.033	J	0.040	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.023	J	0.040	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.015	J	0.040	0.0056	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.028	J	0.040	0.0080	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	17		1.2	0.41	mg/Kg	1	⊗	6010B	Total/NA
Barium	83		1.2	0.14	mg/Kg	1	⊗	6010B	Total/NA
Chromium	18		1.2	0.60	mg/Kg	1	⊗	6010B	Total/NA
Lead	29		0.60	0.28	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.3		1.2	0.71	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.092		0.020	0.0067	mg/Kg	1	⊗	7471B	Total/NA
pH	7.5		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-12 2.5-5

## Lab Sample ID: 500-128769-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0056	J	0.037	0.0050	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.037	0.0071	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.013	J	0.037	0.0080	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.015	J	0.037	0.0068	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.011	J	0.037	0.0096	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.0079	J	0.037	0.0051	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.011	J	0.037	0.0073	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	9.3		0.89	0.30	mg/Kg	1	⊗	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-12 2.5-5 (Continued)

## Lab Sample ID: 500-128769-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	26		0.89	0.10	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.13	J	0.18	0.032	mg/Kg	1	⊗	6010B	Total/NA
Chromium	10		0.89	0.44	mg/Kg	1	⊗	6010B	Total/NA
Lead	12		0.44	0.20	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.015	J	0.017	0.0057	mg/Kg	1	⊗	7471B	Total/NA
pH	7.4		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-12 15-17.5

## Lab Sample ID: 500-128769-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.019	J	0.038	0.0074	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.027	J	0.038	0.0082	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.022	J	0.038	0.012	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.028	J	0.038	0.010	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.036	J	0.038	0.0071	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.016	J	0.038	0.0099	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.033	J	0.038	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.034	J	0.038	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	7.5		0.81	0.28	mg/Kg	1	⊗	6010B	Total/NA
Barium	27		0.81	0.092	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.080	J	0.16	0.029	mg/Kg	1	⊗	6010B	Total/NA
Chromium	13		0.81	0.40	mg/Kg	1	⊗	6010B	Total/NA
Lead	13		0.40	0.19	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.86		0.81	0.48	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.030		0.017	0.0056	mg/Kg	1	⊗	7471B	Total/NA
pH	7.6		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-13 1-2.5

## Lab Sample ID: 500-128769-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0090	J	0.040	0.0054	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.021	J	0.040	0.0087	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.013	J	0.040	0.011	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.024	J	0.040	0.0075	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.015	J	0.040	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.013	J	0.040	0.0056	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.020	J	0.040	0.0080	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	9.1		1.0	0.34	mg/Kg	1	⊗	6010B	Total/NA
Barium	110		1.0	0.11	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.064	J	0.20	0.036	mg/Kg	1	⊗	6010B	Total/NA
Chromium	16		1.0	0.50	mg/Kg	1	⊗	6010B	Total/NA
Lead	26		0.50	0.23	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.040		0.020	0.0067	mg/Kg	1	⊗	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-14 5-7.5

## Lab Sample ID: 500-128769-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.7		1.2	0.42	mg/Kg	1	⊗	6010B	Total/NA
Barium	120		1.2	0.14	mg/Kg	1	⊗	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-14 5-7.5 (Continued)

## Lab Sample ID: 500-128769-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	30		1.2	0.61	mg/Kg	1	*	6010B	Total/NA
Lead	17		0.62	0.29	mg/Kg	1	*	6010B	Total/NA
Selenium	0.74 J		1.2	0.73	mg/Kg	1	*	6010B	Total/NA
Mercury	0.024		0.019	0.0063	mg/Kg	1	*	7471B	Total/NA
pH	7.4		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-14 17.5-20

## Lab Sample ID: 500-128769-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.016 J		0.036	0.012	mg/Kg	1	*	8270D	Total/NA
Chrysene	0.012 J		0.036	0.0098	mg/Kg	1	*	8270D	Total/NA
Naphthalene	0.029 J		0.036	0.0056	mg/Kg	1	*	8270D	Total/NA
Phenanthrene	0.061		0.036	0.0050	mg/Kg	1	*	8270D	Total/NA
Arsenic	8.0		0.73	0.25	mg/Kg	1	*	6010B	Total/NA
Barium	19		0.73	0.083	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.058 J		0.15	0.026	mg/Kg	1	*	6010B	Total/NA
Chromium	8.8		0.73	0.36	mg/Kg	1	*	6010B	Total/NA
Lead	11		0.36	0.17	mg/Kg	1	*	6010B	Total/NA
Selenium	0.48 J		0.73	0.43	mg/Kg	1	*	6010B	Total/NA
Mercury	0.021		0.019	0.0063	mg/Kg	1	*	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-15 10-12.5

## Lab Sample ID: 500-128769-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.018 J		0.036	0.0056	mg/Kg	1	*	8270D	Total/NA
Phenanthrene	0.065		0.036	0.0050	mg/Kg	1	*	8270D	Total/NA
Arsenic	6.4 F1 F2		0.93	0.32	mg/Kg	1	*	6010B	Total/NA
Barium	18 V		0.93	0.11	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.20 B		0.19	0.033	mg/Kg	1	*	6010B	Total/NA
Chromium	9.8 B		0.93	0.46	mg/Kg	1	*	6010B	Total/NA
Lead	9.6 F1		0.46	0.21	mg/Kg	1	*	6010B	Total/NA
Selenium	0.59 J		0.93	0.54	mg/Kg	1	*	6010B	Total/NA
Mercury	0.016		0.016	0.0054	mg/Kg	1	*	7471B	Total/NA
pH	7.9		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: TB-15 15-17.5

## Lab Sample ID: 500-128769-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.014 J		0.035	0.011	mg/Kg	1	*	8270D	Total/NA
Chrysene	0.018 J		0.035	0.0096	mg/Kg	1	*	8270D	Total/NA
Naphthalene	0.026 J		0.035	0.0054	mg/Kg	1	*	8270D	Total/NA
Phenanthrene	0.079		0.035	0.0049	mg/Kg	1	*	8270D	Total/NA
Pyrene	0.015 J		0.035	0.0070	mg/Kg	1	*	8270D	Total/NA
Fluorene	0.0051 J		0.035	0.0050	mg/Kg	1	*	8270D	Total/NA
Arsenic	9.0		0.72	0.25	mg/Kg	1	*	6010B	Total/NA
Barium	10		0.72	0.083	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.15 B		0.14	0.026	mg/Kg	1	*	6010B	Total/NA
Chromium	5.2 B		0.72	0.36	mg/Kg	1	*	6010B	Total/NA
Lead	7.9		0.36	0.17	mg/Kg	1	*	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 15-17.5 (Continued)**

**Lab Sample ID: 500-128769-22**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.63	J	0.72	0.43	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.014	J	0.016	0.0053	mg/Kg	1	⊗	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
500-128769-1	TB-1 22.5-25	Solid	05/25/17 09:47	05/26/17 13:10	1
500-128769-2	TB-1 25-27.5	Solid	05/25/17 09:52	05/26/17 13:10	2
500-128769-3	TB-2 22.5-25	Solid	05/25/17 10:34	05/26/17 13:10	3
500-128769-4	TB-2 27.5-30	Solid	05/25/17 10:40	05/26/17 13:10	4
500-128769-5	TB-3 5-7.5	Solid	05/25/17 11:15	05/26/17 13:10	5
500-128769-6	TB-3 10-12.5	Solid	05/25/17 11:20	05/26/17 13:10	6
500-128769-7	TB-4 2.5-5	Solid	05/25/17 11:46	05/26/17 13:10	7
500-128769-8	TB-4 7.5-10	Solid	05/25/17 11:50	05/26/17 13:10	8
500-128769-9	TB-5 5-7.5	Solid	05/25/17 13:40	05/26/17 13:10	9
500-128769-10	TB-6 2.5-5	Solid	05/25/17 14:10	05/26/17 13:10	10
500-128769-11	TB-7 0-2.5	Solid	05/25/17 14:20	05/26/17 13:10	11
500-128769-12	TB-8 2.5-5	Solid	05/25/17 14:35	05/26/17 13:10	12
500-128769-13	TB-9 0-2.5	Solid	05/25/17 14:52	05/26/17 13:10	13
500-128769-14	TB-10 2.5-5	Solid	05/25/17 15:10	05/26/17 13:10	14
500-128769-15	TB-11 1-2.5	Solid	05/26/17 08:15	05/26/17 13:10	15
500-128769-16	TB-12 2.5-5	Solid	05/26/17 08:33	05/26/17 13:10	
500-128769-17	TB-12 15-17.5	Solid	05/26/17 09:00	05/26/17 13:10	
500-128769-18	TB-13 1-2.5	Solid	05/26/17 09:20	05/26/17 13:10	
500-128769-19	TB-14 5-7.5	Solid	05/26/17 10:10	05/26/17 13:10	
500-128769-20	TB-14 17.5-20	Solid	05/26/17 10:20	05/26/17 13:10	
500-128769-21	TB-15 10-12.5	Solid	05/26/17 10:45	05/26/17 13:10	
500-128769-22	TB-15 15-17.5	Solid	05/26/17 10:53	05/26/17 13:10	

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 22.5-25**

**Lab Sample ID: 500-128769-1**

Date Collected: 05/25/17 09:47

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 85.4

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Benzo[b]fluoranthene	<0.038	F1	0.038	0.0082	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Benzo[g,h,i]perylene	<0.038	F1	0.038	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Benzo[k]fluoranthene	<0.038	F1	0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
<b>Chrysene</b>	<b>0.018</b>	<b>J</b>	0.038	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Dibenz(a,h)anthracene	<0.038	F1	0.038	0.0073	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Indeno[1,2,3-cd]pyrene	<0.038	F1	0.038	0.0098	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
<b>Phenanthrene</b>	<b>0.013</b>	<b>J</b>	0.038	0.0053	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
<b>Pyrene</b>	<b>0.014</b>	<b>J</b>	0.038	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	⊗	06/05/17 07:33	06/07/17 06:11	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	81			41 - 120			06/05/17 07:33	06/07/17 06:11	1
2-Fluorobiphenyl (Surr)	73			44 - 121			06/05/17 07:33	06/07/17 06:11	1
Terphenyl-d14 (Surr)	85			35 - 160			06/05/17 07:33	06/07/17 06:11	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0067	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1221	<0.019		0.019	0.0084	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1232	<0.019		0.019	0.0083	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1242	<0.019		0.019	0.0063	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1248	<0.019		0.019	0.0075	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1254	<0.019		0.019	0.0041	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
PCB-1260	<0.019		0.019	0.0094	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	88			49 - 129			06/07/17 07:19	06/07/17 14:00	1
DCB Decachlorobiphenyl	77			37 - 121			06/07/17 07:19	06/07/17 14:00	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>3.1</b>		1.1	0.39	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
<b>Barium</b>	<b>27</b>	<b>V</b>	1.1	0.13	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
Cadmium	<0.23		0.23	0.041	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
<b>Chromium</b>	<b>14</b>		1.1	0.57	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
<b>Lead</b>	<b>11</b>	<b>F1</b>	0.57	0.27	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
Selenium	<1.1		1.1	0.67	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1
Silver	<0.57		0.57	0.15	mg/Kg	⊗	06/01/17 08:30	06/01/17 16:58	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.034</b>		0.017	0.0056	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:52	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 22.5-25**

**Lab Sample ID: 500-128769-1**

Date Collected: 05/25/17 09:47

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 85.4

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			06/06/17 15:35	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 25-27.5**

Date Collected: 05/25/17 09:52

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-2**

Matrix: Solid

Percent Solids: 86.6

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Chrysene	<0.037		0.037	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 01:34	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Nitrobenzene-d5 (Surr)		82		41 - 120		06/05/17 07:33		06/07/17 01:34	1
2-Fluorobiphenyl (Surr)		77		44 - 121		06/05/17 07:33		06/07/17 01:34	1
Terphenyl-d14 (Surr)		87		35 - 160		06/05/17 07:33		06/07/17 01:34	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0065	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1221	<0.018		0.018	0.0081	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1232	<0.018		0.018	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1254	<0.018		0.018	0.0040	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
PCB-1260	<0.018		0.018	0.0090	mg/Kg	⊗	06/07/17 07:19	06/07/17 14:46	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Tetrachloro-m-xylene		73		49 - 129		06/07/17 07:19		06/07/17 14:46	1
DCB Decachlorobiphenyl		72		37 - 121		06/07/17 07:19		06/07/17 14:46	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		0.75	0.26	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Barium	14		0.75	0.086	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Cadmium	0.089 J		0.15	0.027	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Chromium	8.4		0.75	0.37	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Lead	6.0		0.38	0.17	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Selenium	<0.75		0.75	0.44	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1
Silver	<0.38		0.38	0.097	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:19	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0055	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:54	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 25-27.5**  
**Date Collected: 05/25/17 09:52**  
**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-2**  
**Matrix: Solid**  
**Percent Solids: 86.6**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			06/06/17 15:38	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-2 22.5-25**

Date Collected: 05/25/17 10:34

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-3**

Matrix: Solid

Percent Solids: 88.0

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:01	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)		86		41 - 120		06/05/17 07:33		06/07/17 02:01	1
2-Fluorobiphenyl (Surr)		77		44 - 121		06/05/17 07:33		06/07/17 02:01	1
Terphenyl-d14 (Surr)		87		35 - 160		06/05/17 07:33		06/07/17 02:01	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0067	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1221	<0.019		0.019	0.0083	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1232	<0.019		0.019	0.0082	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1242	<0.019		0.019	0.0062	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1248	<0.019		0.019	0.0075	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1254	<0.019		0.019	0.0041	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
PCB-1260	<0.019		0.019	0.0093	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:01	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene		78		49 - 129		06/07/17 07:19		06/07/17 15:01	1
DCB Decachlorobiphenyl		79		37 - 121		06/07/17 07:19		06/07/17 15:01	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20		0.87	0.30	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Barium	80		0.87	0.099	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Cadmium	0.23		0.17	0.031	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Chromium	9.8		0.87	0.43	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Lead	20		0.43	0.20	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Selenium	0.73 J		0.87	0.51	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1
Silver	0.14 J		0.43	0.11	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:30	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0056	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:57	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-2 22.5-25**  
**Date Collected: 05/25/17 10:34**  
**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-3**  
**Matrix: Solid**  
**Percent Solids: 88.0**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			06/06/17 15:41	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-2 27.5-30**

**Lab Sample ID: 500-128769-4**

Date Collected: 05/25/17 10:40

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 90.0

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Benzo[a]anthracene</b>	<b>0.0049 J</b>		0.035	0.0048	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Benzo[a]pyrene</b>	<b>0.011 J</b>		0.035	0.0069	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Benzo[b]fluoranthene</b>	<b>0.0090 J</b>		0.035	0.0077	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Chrysene	<0.035		0.035	0.0097	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0069	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Fluoranthene</b>	<b>0.0098 J</b>		0.035	0.0066	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0092	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Phenanthrene</b>	<b>0.0050 J</b>		0.035	0.0049	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Pyrene</b>	<b>0.0095 J</b>		0.035	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	⊗	06/05/17 07:33	06/07/17 02:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	84		41 - 120				06/05/17 07:33	06/07/17 02:29	1
2-Fluorobiphenyl (Surr)	76		44 - 121				06/05/17 07:33	06/07/17 02:29	1
Terphenyl-d14 (Surr)	86		35 - 160				06/05/17 07:33	06/07/17 02:29	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0064	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1221	<0.018		0.018	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1232	<0.018		0.018	0.0079	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1248	<0.018		0.018	0.0071	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
PCB-1260	<0.018		0.018	0.0089	mg/Kg	⊗	06/07/17 07:19	06/07/17 15:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	78		49 - 129				06/07/17 07:19	06/07/17 15:17	1
DCB Decachlorobiphenyl	77		37 - 121				06/07/17 07:19	06/07/17 15:17	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>22</b>		1.1	0.37	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
<b>Barium</b>	<b>15</b>		1.1	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
<b>Cadmium</b>	<b>0.056 J</b>		0.22	0.039	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
<b>Chromium</b>	<b>7.6</b>		1.1	0.54	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
<b>Lead</b>	<b>14</b>		0.54	0.25	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
<b>Selenium</b>	<b>1.0 J</b>		1.1	0.64	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1
Silver	<0.54		0.54	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:36	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.014 J</b>		0.017	0.0055	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:06	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-2 27.5-30**

**Lab Sample ID: 500-128769-4**

Date Collected: 05/25/17 10:40

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 90.0

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			06/06/17 15:44	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-3 5-7.5**

Date Collected: 05/25/17 11:15

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-5**

Matrix: Solid

Percent Solids: 82.3

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.084		0.040	0.0072	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Acenaphthylene	0.018	J	0.040	0.0053	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Anthracene	0.25		0.040	0.0067	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Benzo[g,h,i]perylene	0.47		0.040	0.013	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Dibenz(a,h)anthracene	0.16		0.040	0.0078	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Indeno[1,2,3-cd]pyrene	0.46		0.040	0.010	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Naphthalene	0.0098	J	0.040	0.0062	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
Fluorene	0.080		0.040	0.0057	mg/Kg	⌚	06/05/17 07:33	06/07/17 06:39	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	81		41 - 120				06/05/17 07:33	06/07/17 06:39	1
2-Fluorobiphenyl (Surr)	76		44 - 121				06/05/17 07:33	06/07/17 06:39	1
Terphenyl-d14 (Surr)	90		35 - 160				06/05/17 07:33	06/07/17 06:39	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.1		0.080	0.011	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Benzo[a]pyrene	1.3		0.080	0.016	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Benzo[b]fluoranthene	1.9		0.080	0.017	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Benzo[k]fluoranthene	2.0		0.080	0.024	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Chrysene	1.4		0.080	0.022	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Fluoranthene	2.9		0.080	0.015	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Phenanthrene	1.3		0.080	0.011	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2
Pyrene	2.6		0.080	0.016	mg/Kg	⌚	06/05/17 07:33	06/08/17 01:14	2

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0069	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
PCB-1221	<0.020		0.020	0.0086	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
PCB-1232	<0.020		0.020	0.0085	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
PCB-1242	<0.020		0.020	0.0064	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
PCB-1248	<0.020		0.020	0.0077	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
PCB-1254	<0.020		0.020	0.0042	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
<b>PCB-1260</b>	<b>0.032</b>		0.020	0.0096	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	104		49 - 129				06/07/17 07:19	06/07/17 15:32	1
DCB Decachlorobiphenyl	90		37 - 121				06/07/17 07:19	06/07/17 15:32	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		0.93	0.32	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Barium	81		0.93	0.11	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Cadmium	0.36		0.19	0.033	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Chromium	17		0.93	0.46	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Lead	37		0.46	0.21	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Selenium	0.60	J	0.93	0.54	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1
Silver	<0.46		0.46	0.12	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:41	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-3 5-7.5**

**Lab Sample ID: 500-128769-5**

Date Collected: 05/25/17 11:15

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 82.3

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.069		0.018	0.0061	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:12	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU	—	—	06/06/17 15:47	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-3 10-12.5**

Date Collected: 05/25/17 11:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-6**

Matrix: Solid

Percent Solids: 82.1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
<b>Benzo[a]anthracene</b>	<b>0.0058 J</b>		0.039	0.0053	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
<b>Benzo[a]pyrene</b>	<b>0.010 J</b>		0.039	0.0076	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Chrysene	<0.039		0.039	0.011	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
<b>Fluoranthene</b>	<b>0.010 J</b>		0.039	0.0073	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
<b>Pyrene</b>	<b>0.0093 J</b>		0.039	0.0078	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	⌚	06/05/17 07:33	06/07/17 02:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	85			41 - 120			06/05/17 07:33	06/07/17 02:57	1
2-Fluorobiphenyl (Surr)	75			44 - 121			06/05/17 07:33	06/07/17 02:57	1
Terphenyl-d14 (Surr)	84			35 - 160			06/05/17 07:33	06/07/17 02:57	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0071	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1221	<0.020		0.020	0.0088	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1232	<0.020		0.020	0.0087	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1242	<0.020		0.020	0.0065	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1248	<0.020		0.020	0.0079	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1254	<0.020		0.020	0.0043	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
PCB-1260	<0.020		0.020	0.0098	mg/Kg	⌚	06/07/17 07:19	06/07/17 15:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	79			49 - 129			06/07/17 07:19	06/07/17 15:47	1
DCB Decachlorobiphenyl	69			37 - 121			06/07/17 07:19	06/07/17 15:47	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>9.7</b>		1.2	0.41	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
<b>Barium</b>	<b>100</b>		1.2	0.14	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
Cadmium	<0.24		0.24	0.043	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
<b>Chromium</b>	<b>24</b>		1.2	0.60	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
<b>Lead</b>	<b>19</b>		0.60	0.28	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
Selenium	<1.2		1.2	0.71	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1
Silver	<0.60		0.60	0.16	mg/Kg	⌚	06/01/17 08:30	06/01/17 17:46	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.037</b>		0.019	0.0063	mg/Kg	⌚	06/01/17 07:30	06/01/17 11:15	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-3 10-12.5**  
**Date Collected: 05/25/17 11:20**  
**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-6**  
**Matrix: Solid**  
**Percent Solids: 82.1**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			06/06/17 15:50	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-4 2.5-5**

Date Collected: 05/25/17 11:46

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-7**

Matrix: Solid

Percent Solids: 83.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.98		0.037	0.0068	mg/Kg	⊗	06/05/17 07:33	06/07/17 07:06	1
Acenaphthylene	0.024	J	0.037	0.0050	mg/Kg	⊗	06/05/17 07:33	06/07/17 07:06	1
Dibenz(a,h)anthracene	0.39		0.037	0.0073	mg/Kg	⊗	06/05/17 07:33	06/07/17 07:06	1
Naphthalene	0.34		0.037	0.0058	mg/Kg	⊗	06/05/17 07:33	06/07/17 07:06	1
Fluorene	1.0		0.037	0.0053	mg/Kg	⊗	06/05/17 07:33	06/07/17 07:06	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	84		41 - 120				06/05/17 07:33	06/07/17 07:06	1
2-Fluorobiphenyl (Surr)	74		44 - 121				06/05/17 07:33	06/07/17 07:06	1
Terphenyl-d14 (Surr)	99		35 - 160				06/05/17 07:33	06/07/17 07:06	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	2.4		0.37	0.063	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Benzo[a]anthracene	5.7		0.37	0.051	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Benzo[a]pyrene	5.3		0.37	0.073	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Benzo[b]fluoranthene	7.2		0.37	0.081	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Benzo[g,h,i]perylene	2.1		0.37	0.12	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Benzo[k]fluoranthene	2.8		0.37	0.11	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Chrysene	5.9		0.37	0.10	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Fluoranthene	14		0.37	0.070	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Indeno[1,2,3-cd]pyrene	2.1		0.37	0.097	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Phenanthrene	10		0.37	0.052	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10
Pyrene	12		0.37	0.075	mg/Kg	⊗	06/05/17 07:33	06/08/17 01:41	10

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0066	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
PCB-1221	<0.019		0.019	0.0082	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
PCB-1232	<0.019		0.019	0.0082	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
PCB-1242	<0.019		0.019	0.0061	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
PCB-1248	<0.019		0.019	0.0074	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
PCB-1254	<0.019		0.019	0.0040	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
<b>PCB-1260</b>	<b>0.053</b>		0.019	0.0092	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	77		49 - 129				06/07/17 07:19	06/07/17 16:03	1
DCB Decachlorobiphenyl	65		37 - 121				06/07/17 07:19	06/07/17 16:03	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		1.1	0.39	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Barium	49		1.1	0.13	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Cadmium	0.53		0.23	0.041	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Chromium	13		1.1	0.57	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Lead	26		0.57	0.27	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Selenium	<1.1		1.1	0.68	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1
Silver	0.40	J	0.57	0.15	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:51	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-4 2.5-5**

**Lab Sample ID: 500-128769-7**

Date Collected: 05/25/17 11:46

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 83.9

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.018	0.0061	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:17	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU	—	—	06/06/17 15:53	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-4 7.5-10**

Date Collected: 05/25/17 11:50

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-8**

Matrix: Solid

Percent Solids: 82.4

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
<b>Benzo[a]pyrene</b>	<b>0.010 J</b>		0.038	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Chrysene	<0.038		0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
<b>Fluoranthene</b>	<b>0.0095 J</b>		0.038	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
<b>Phenanthrene</b>	<b>0.0055 J</b>		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
<b>Pyrene</b>	<b>0.0094 J</b>		0.038	0.0077	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	85			41 - 120			06/05/17 07:33	06/07/17 03:24	1
2-Fluorobiphenyl (Surr)	75			44 - 121			06/05/17 07:33	06/07/17 03:24	1
Terphenyl-d14 (Surr)	84			35 - 160			06/05/17 07:33	06/07/17 03:24	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0070	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1221	<0.020		0.020	0.0087	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1232	<0.020		0.020	0.0087	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1242	<0.020		0.020	0.0065	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1248	<0.020		0.020	0.0078	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1254	<0.020		0.020	0.0043	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
PCB-1260	<0.020		0.020	0.0097	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	81			49 - 129			06/07/17 07:19	06/07/17 16:18	1
DCB Decachlorobiphenyl	71			37 - 121			06/07/17 07:19	06/07/17 16:18	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>21</b>		0.83	0.28	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
<b>Barium</b>	<b>62</b>		0.83	0.094	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
Cadmium	<0.17		0.17	0.030	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
<b>Chromium</b>	<b>16</b>		0.83	0.41	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
<b>Lead</b>	<b>29</b>		0.41	0.19	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
<b>Selenium</b>	<b>1.1</b>		0.83	0.49	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1
Silver	<0.41		0.41	0.11	mg/Kg	⊗	06/01/17 08:30	06/01/17 17:55	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.034</b>		0.017	0.0058	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:19	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-4 7.5-10**

**Lab Sample ID: 500-128769-8**

Date Collected: 05/25/17 11:50

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 82.4

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.4		0.2	0.2	SU			06/06/17 15:56	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-5 5-7.5**

Date Collected: 05/25/17 13:40

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-9**

Matrix: Solid

Percent Solids: 81.7

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Benzo[a]anthracene</b>	<b>0.010 J</b>		0.039	0.0053	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Benzo[a]pyrene</b>	<b>0.017 J</b>		0.039	0.0076	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Benzo[b]fluoranthene</b>	<b>0.017 J</b>		0.039	0.0084	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Chrysene</b>	<b>0.014 J</b>		0.039	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Fluoranthene</b>	<b>0.025 J</b>		0.039	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.012 J</b>		0.039	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Phenanthrene</b>	<b>0.010 J</b>		0.039	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Pyrene</b>	<b>0.022 J</b>		0.039	0.0078	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	⊗	06/05/17 07:33	06/07/17 03:52	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	86			41 - 120			06/05/17 07:33	06/07/17 03:52	1
2-Fluorobiphenyl (Surr)	77			44 - 121			06/05/17 07:33	06/07/17 03:52	1
Terphenyl-d14 (Surr)	87			35 - 160			06/05/17 07:33	06/07/17 03:52	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>11</b>		1.0	0.35	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
<b>Barium</b>	<b>59</b>		1.0	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
<b>Cadmium</b>	<b>0.18 J</b>		0.21	0.037	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
<b>Chromium</b>	<b>13</b>		1.0	0.51	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
<b>Lead</b>	<b>21</b>		0.52	0.24	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
<b>Selenium</b>	<b>0.61 J</b>		1.0	0.61	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1
Silver	<0.52		0.52	0.13	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:00	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.024</b>		0.019	0.0062	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:22	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>7.7</b>		0.2	0.2	SU			06/06/17 15:58	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-6 2.5-5**

Date Collected: 05/25/17 14:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-10**

Matrix: Solid

Percent Solids: 82.8

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Chrysene	<0.038		0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:20	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Nitrobenzene-d5 (Surr)		88		41 - 120		06/05/17 07:33		06/07/17 04:20	1
2-Fluorobiphenyl (Surr)		78		44 - 121		06/05/17 07:33		06/07/17 04:20	1
Terphenyl-d14 (Surr)		86		35 - 160		06/05/17 07:33		06/07/17 04:20	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		1.0	0.35	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Barium	53		1.0	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Cadmium	<0.20		0.20	0.036	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Chromium	16		1.0	0.50	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Lead	28		0.51	0.23	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Selenium	<1.0		1.0	0.59	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1
Silver	<0.51		0.51	0.13	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:04	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.0066	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:24	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			06/06/17 16:01	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-7 0-2.5**

Date Collected: 05/25/17 14:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-11**

Matrix: Solid

Percent Solids: 84.7

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Benzo[a]anthracene</b>	<b>0.042</b>		0.039	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Benzo[a]pyrene</b>	<b>0.054</b>		0.039	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Benzo[b]fluoranthene</b>	<b>0.079</b>		0.039	0.0084	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Benzo[g,h,i]perylene</b>	<b>0.040</b>		0.039	0.013	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Benzo[k]fluoranthene</b>	<b>0.030</b> J		0.039	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Chrysene</b>	<b>0.054</b>		0.039	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Fluoranthene</b>	<b>0.098</b>		0.039	0.0072	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.038</b> J		0.039	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Phenanthrene</b>	<b>0.032</b> J		0.039	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Pyrene</b>	<b>0.085</b>		0.039	0.0077	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	⊗	06/05/17 07:33	06/07/17 04:48	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	88			41 - 120			06/05/17 07:33	06/07/17 04:48	1
2-Fluorobiphenyl (Surr)	80			44 - 121			06/05/17 07:33	06/07/17 04:48	1
Terphenyl-d14 (Surr)	87			35 - 160			06/05/17 07:33	06/07/17 04:48	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>43</b>		1.1	0.37	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
<b>Barium</b>	<b>51</b>		1.1	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
<b>Cadmium</b>	<b>0.30</b>		0.22	0.039	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
<b>Chromium</b>	<b>7.9</b>		1.1	0.54	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
<b>Lead</b>	<b>43</b>		0.54	0.25	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
<b>Selenium</b>	<b>1.2</b>		1.1	0.64	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1
Silver	<0.54		0.54	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:10	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.047</b>		0.018	0.0061	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:26	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			06/06/17 16:04	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-8 2.5-5**

Date Collected: 05/25/17 14:35

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-12**

Matrix: Solid

Percent Solids: 82.2

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Anthracene</b>	<b>0.012</b>	J	0.039	0.0066	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Benzo[a]anthracene</b>	<b>0.048</b>		0.039	0.0053	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Benzo[a]pyrene</b>	<b>0.050</b>		0.039	0.0076	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Benzo[b]fluoranthene</b>	<b>0.074</b>		0.039	0.0085	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Benzo[g,h,i]perylene</b>	<b>0.032</b>	J	0.039	0.013	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Benzo[k]fluoranthene</b>	<b>0.028</b>	J	0.039	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Chrysene</b>	<b>0.059</b>		0.039	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Fluoranthene</b>	<b>0.11</b>		0.039	0.0073	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.030</b>	J	0.039	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Phenanthrene</b>	<b>0.055</b>		0.039	0.0055	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Pyrene</b>	<b>0.098</b>		0.039	0.0078	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	83			41 - 120			06/05/17 07:33	06/07/17 05:15	1
2-Fluorobiphenyl (Surr)	78			44 - 121			06/05/17 07:33	06/07/17 05:15	1
Terphenyl-d14 (Surr)	87			35 - 160			06/05/17 07:33	06/07/17 05:15	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>8.0</b>		0.87	0.30	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
<b>Barium</b>	<b>82</b>		0.87	0.10	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
<b>Cadmium</b>	<b>0.17</b>		0.17	0.031	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
<b>Chromium</b>	<b>14</b>		0.87	0.43	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
<b>Lead</b>	<b>22</b>		0.44	0.20	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
<b>Selenium</b>	<b>0.60</b>	J	0.87	0.51	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1
Silver	<0.44		0.44	0.11	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:15	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.075</b>		0.020	0.0066	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			06/06/17 16:07	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-9 0-2.5**

Date Collected: 05/25/17 14:52

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-13**

Matrix: Solid

Percent Solids: 82.3

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.056		0.038	0.0069	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Acenaphthylene	0.0078	J	0.038	0.0051	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Anthracene	0.11		0.038	0.0064	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Benzo[a]anthracene	0.42		0.038	0.0052	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Benzo[a]pyrene	0.41		0.038	0.0074	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Benzo[b]fluoranthene	0.70		0.038	0.0083	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Benzo[g,h,i]perylene	0.20		0.038	0.012	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Benzo[k]fluoranthene	0.26		0.038	0.011	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Chrysene	0.50		0.038	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Dibenz(a,h)anthracene	0.069		0.038	0.0074	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Fluoranthene	1.0		0.038	0.0071	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Indeno[1,2,3-cd]pyrene	0.18		0.038	0.010	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Naphthalene	0.026	J	0.038	0.0059	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Phenanthrene	0.60		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Pyrene	0.92		0.038	0.0076	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
Fluorene	0.054		0.038	0.0054	mg/Kg	⊗	06/05/17 07:33	06/07/17 05:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	87			41 - 120			06/05/17 07:33	06/07/17 05:43	1
2-Fluorobiphenyl (Surr)	78			44 - 121			06/05/17 07:33	06/07/17 05:43	1
Terphenyl-d14 (Surr)	93			35 - 160			06/05/17 07:33	06/07/17 05:43	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		1.1	0.36	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Barium	65		1.1	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Cadmium	0.93		0.21	0.038	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Chromium	20		1.1	0.52	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Lead	55		0.53	0.24	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Selenium	0.77	J	1.1	0.62	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1
Silver	<0.53		0.53	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:27	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.018	0.0059	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:31	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			06/06/17 16:10	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-10 2.5-5**

Date Collected: 05/25/17 15:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-14**

Matrix: Solid

Percent Solids: 84.1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Anthracene</b>	<b>0.011</b>	J	0.038	0.0064	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Benzo[a]anthracene</b>	<b>0.037</b>	J	0.038	0.0052	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Benzo[a]pyrene</b>	<b>0.041</b>		0.038	0.0074	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Benzo[b]fluoranthene</b>	<b>0.055</b>		0.038	0.0083	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Benzo[g,h,i]perylene</b>	<b>0.028</b>	J F1	0.038	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Benzo[k]fluoranthene</b>	<b>0.021</b>	J	0.038	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Chrysene</b>	<b>0.044</b>		0.038	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Dibenz(a,h)anthracene</b>	<b>0.010</b>	J	0.038	0.0074	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Fluoranthene</b>	<b>0.084</b>		0.038	0.0071	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.032</b>	J	0.038	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Phenanthrene</b>	<b>0.057</b>		0.038	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Pyrene</b>	<b>0.071</b>	F1	0.038	0.0076	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Fluorene</b>	<b>0.0080</b>	J	0.038	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Nitrobenzene-d5 (Surr)</i>	67			41 - 120			06/05/17 16:47	06/07/17 20:00	1
<i>2-Fluorobiphenyl (Surr)</i>	66			44 - 121			06/05/17 16:47	06/07/17 20:00	1
<i>Terphenyl-d14 (Surr)</i>	80			35 - 160			06/05/17 16:47	06/07/17 20:00	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>12</b>		1.0	0.36	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
<b>Barium</b>	<b>50</b>		1.0	0.12	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
<b>Cadmium</b>	<b>0.18</b>	J	0.21	0.038	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
<b>Chromium</b>	<b>15</b>		1.0	0.52	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
<b>Lead</b>	<b>21</b>		0.52	0.24	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
<b>Selenium</b>	<b>0.65</b>	J	1.0	0.62	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1
Silver	<0.52		0.52	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:32	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.067</b>		0.020	0.0065	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:33	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			06/06/17 16:13	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-11 1-2.5**

Date Collected: 05/26/17 08:15

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-15**

Matrix: Solid

Percent Solids: 80.6

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Benzo[a]anthracene</b>	<b>0.012 J</b>		0.040	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Benzo[a]pyrene</b>	<b>0.024 J</b>		0.040	0.0078	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Benzo[b]fluoranthene</b>	<b>0.032 J</b>		0.040	0.0087	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020 J</b>		0.040	0.013	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Benzo[k]fluoranthene</b>	<b>0.014 J</b>		0.040	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Chrysene</b>	<b>0.019 J</b>		0.040	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Dibenz(a,h)anthracene</b>	<b>0.0089 J</b>		0.040	0.0077	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Fluoranthene</b>	<b>0.033 J</b>		0.040	0.0074	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.023 J</b>		0.040	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Phenanthrene</b>	<b>0.015 J</b>		0.040	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Pyrene</b>	<b>0.028 J</b>		0.040	0.0080	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>Nitrobenzene-d5 (Surr)</i>	61			41 - 120			06/05/17 16:47	06/07/17 20:26	1
<i>2-Fluorobiphenyl (Surr)</i>	59			44 - 121			06/05/17 16:47	06/07/17 20:26	1
<i>Terphenyl-d14 (Surr)</i>	72			35 - 160			06/05/17 16:47	06/07/17 20:26	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>17</b>		1.2	0.41	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
<b>Barium</b>	<b>83</b>		1.2	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
Cadmium	<0.24		0.24	0.043	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
<b>Chromium</b>	<b>18</b>		1.2	0.60	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
<b>Lead</b>	<b>29</b>		0.60	0.28	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
<b>Selenium</b>	<b>1.3</b>		1.2	0.71	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1
Silver	<0.60		0.60	0.16	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:37	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.092</b>		0.020	0.0067	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:40	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			06/06/17 16:37	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-12 2.5-5**

Date Collected: 05/26/17 08:33

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-16**

Matrix: Solid

Percent Solids: 88.7

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Benzo[a]anthracene</b>	<b>0.0056 J</b>		0.037	0.0050	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Benzo[a]pyrene</b>	<b>0.011 J</b>		0.037	0.0071	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Benzo[b]fluoranthene</b>	<b>0.013 J</b>		0.037	0.0080	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Chrysene	<0.037		0.037	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Fluoranthene</b>	<b>0.015 J</b>		0.037	0.0068	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.011 J</b>		0.037	0.0096	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Phenanthrene</b>	<b>0.0079 J</b>		0.037	0.0051	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Pyrene</b>	<b>0.011 J</b>		0.037	0.0073	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	⊗	06/05/17 16:47	06/07/17 20:52	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	67			41 - 120			06/05/17 16:47	06/07/17 20:52	1
2-Fluorobiphenyl (Surr)	69			44 - 121			06/05/17 16:47	06/07/17 20:52	1
Terphenyl-d14 (Surr)	80			35 - 160			06/05/17 16:47	06/07/17 20:52	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0063	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1221	<0.018		0.018	0.0079	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1232	<0.018		0.018	0.0078	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1242	<0.018		0.018	0.0059	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1248	<0.018		0.018	0.0071	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
PCB-1260	<0.018		0.018	0.0088	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	70			49 - 129			06/07/17 07:19	06/07/17 16:33	1
DCB Decachlorobiphenyl	64			37 - 121			06/07/17 07:19	06/07/17 16:33	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>9.3</b>		0.89	0.30	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
<b>Barium</b>	<b>26</b>		0.89	0.10	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
<b>Cadmium</b>	<b>0.13 J</b>		0.18	0.032	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
<b>Chromium</b>	<b>10</b>		0.89	0.44	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
<b>Lead</b>	<b>12</b>		0.44	0.20	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
Selenium	<0.89		0.89	0.52	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1
Silver	<0.44		0.44	0.11	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:41	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.015 J</b>		0.017	0.0057	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:43	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-12 2.5-5**

**Lab Sample ID: 500-128769-16**

Date Collected: 05/26/17 08:33

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 88.7

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.4		0.2	0.2	SU			06/07/17 13:48	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-12 15-17.5**

**Lab Sample ID: 500-128769-17**

Date Collected: 05/26/17 09:00

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 85.5

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Benzo[a]pyrene</b>	<b>0.019 J</b>		0.038	0.0074	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Benzo[b]fluoranthene</b>	<b>0.027 J</b>		0.038	0.0082	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022 J</b>		0.038	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Chrysene</b>	<b>0.028 J</b>		0.038	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Fluoranthene</b>	<b>0.036 J</b>		0.038	0.0071	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.016 J</b>		0.038	0.0099	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Phenanthrene</b>	<b>0.033 J</b>		0.038	0.0053	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Pyrene</b>	<b>0.034 J</b>		0.038	0.0076	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	75			41 - 120			06/05/17 16:47	06/07/17 21:19	1
2-Fluorobiphenyl (Surr)	75			44 - 121			06/05/17 16:47	06/07/17 21:19	1
Terphenyl-d14 (Surr)	86			35 - 160			06/05/17 16:47	06/07/17 21:19	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0069	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1221	<0.019		0.019	0.0085	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1232	<0.019		0.019	0.0085	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1242	<0.019		0.019	0.0064	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1248	<0.019		0.019	0.0076	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1254	<0.019		0.019	0.0042	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
PCB-1260	<0.019		0.019	0.0095	mg/Kg	⊗	06/07/17 07:19	06/07/17 16:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	80			49 - 129			06/07/17 07:19	06/07/17 16:49	1
DCB Decachlorobiphenyl	67			37 - 121			06/07/17 07:19	06/07/17 16:49	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>7.5</b>		0.81	0.28	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
<b>Barium</b>	<b>27</b>		0.81	0.092	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
<b>Cadmium</b>	<b>0.080 J</b>		0.16	0.029	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
<b>Chromium</b>	<b>13</b>		0.81	0.40	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
<b>Lead</b>	<b>13</b>		0.40	0.19	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
<b>Selenium</b>	<b>0.86</b>		0.81	0.48	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1
Silver	<0.40		0.40	0.10	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:47	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.030</b>		0.017	0.0056	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:45	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-12 15-17.5**

**Lab Sample ID: 500-128769-17**

Date Collected: 05/26/17 09:00

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 85.5

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			06/07/17 13:51	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-13 1-2.5**

Date Collected: 05/26/17 09:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-18**

Matrix: Solid

Percent Solids: 79.1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Benzo[a]anthracene</b>	<b>0.0090 J</b>		0.040	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Benzo[b]fluoranthene</b>	<b>0.021 J</b>		0.040	0.0087	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Chrysene</b>	<b>0.013 J</b>		0.040	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Fluoranthene</b>	<b>0.024 J</b>		0.040	0.0075	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.015 J</b>		0.040	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Phenanthrene</b>	<b>0.013 J</b>		0.040	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Pyrene</b>	<b>0.020 J</b>		0.040	0.0080	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 21:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	60			41 - 120			06/05/17 16:47	06/07/17 21:45	1
2-Fluorobiphenyl (Surr)	62			44 - 121			06/05/17 16:47	06/07/17 21:45	1
Terphenyl-d14 (Surr)	82			35 - 160			06/05/17 16:47	06/07/17 21:45	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>9.1</b>		1.0	0.34	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
<b>Barium</b>	<b>110</b>		1.0	0.11	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
<b>Cadmium</b>	<b>0.064 J</b>		0.20	0.036	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
<b>Chromium</b>	<b>16</b>		1.0	0.50	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
<b>Lead</b>	<b>26</b>		0.50	0.23	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
Selenium	<1.0		1.0	0.59	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1
Silver	<0.50		0.50	0.13	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:52	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.040</b>		0.020	0.0067	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:47	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			06/07/17 13:54	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-14 5-7.5**

Date Collected: 05/26/17 10:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-19**

Matrix: Solid

Percent Solids: 80.5

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Chrysene	<0.040		0.040	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:11	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Nitrobenzene-d5 (Surr)		64		41 - 120		06/05/17 16:47		06/07/17 22:11	1
2-Fluorobiphenyl (Surr)		65		44 - 121		06/05/17 16:47		06/07/17 22:11	1
Terphenyl-d14 (Surr)		82		35 - 160		06/05/17 16:47		06/07/17 22:11	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0072	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1221	<0.020		0.020	0.0090	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1232	<0.020		0.020	0.0089	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1242	<0.020		0.020	0.0067	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1248	<0.020		0.020	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1254	<0.020		0.020	0.0044	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
PCB-1260	<0.020		0.020	0.010	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:04	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Tetrachloro-m-xylene		79		49 - 129		06/07/17 07:19		06/07/17 17:04	1
DCB Decachlorobiphenyl		74		37 - 121		06/07/17 07:19		06/07/17 17:04	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.7		1.2	0.42	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Barium	120		1.2	0.14	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Cadmium	<0.25		0.25	0.044	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Chromium	30		1.2	0.61	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Lead	17		0.62	0.29	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Selenium	0.74 J		1.2	0.73	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1
Silver	<0.62		0.62	0.16	mg/Kg	⊗	06/01/17 08:30	06/01/17 18:56	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0063	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:49	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-14 5-7.5**

**Lab Sample ID: 500-128769-19**

Date Collected: 05/26/17 10:10

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 80.5

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.4		0.2	0.2	SU			06/07/17 13:57	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-14 17.5-20**

**Lab Sample ID: 500-128769-20**

Date Collected: 05/26/17 10:20

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 88.6

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016 J</b>		0.036	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
<b>Chrysene</b>	<b>0.012 J</b>		0.036	0.0098	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
<b>Naphthalene</b>	<b>0.029 J</b>		0.036	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
<b>Phenanthrene</b>	<b>0.061</b>		0.036	0.0050	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	⊗	06/05/17 16:47	06/07/17 22:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	61			41 - 120			06/05/17 16:47	06/07/17 22:37	1
2-Fluorobiphenyl (Surr)	63			44 - 121			06/05/17 16:47	06/07/17 22:37	1
Terphenyl-d14 (Surr)	77			35 - 160			06/05/17 16:47	06/07/17 22:37	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0065	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1221	<0.018		0.018	0.0081	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1232	<0.018		0.018	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1254	<0.018		0.018	0.0040	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
PCB-1260	<0.018		0.018	0.0090	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	86			49 - 129			06/07/17 07:19	06/07/17 17:19	1
DCB Decachlorobiphenyl	72			37 - 121			06/07/17 07:19	06/07/17 17:19	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>8.0</b>		0.73	0.25	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
<b>Barium</b>	<b>19</b>		0.73	0.083	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
<b>Cadmium</b>	<b>0.058 J</b>		0.15	0.026	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
<b>Chromium</b>	<b>8.8</b>		0.73	0.36	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
<b>Lead</b>	<b>11</b>		0.36	0.17	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
<b>Selenium</b>	<b>0.48 J</b>		0.73	0.43	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1
Silver	<0.36		0.36	0.094	mg/Kg	⊗	06/01/17 08:30	06/01/17 19:00	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0063	mg/Kg	⊗	06/01/17 07:30	06/01/17 11:52	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-14 17.5-20**

**Lab Sample ID: 500-128769-20**

Date Collected: 05/26/17 10:20

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 88.6

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			06/07/17 13:59	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 10-12.5**

**Lab Sample ID: 500-128769-21**

Date Collected: 05/26/17 10:45

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 89.2

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
<b>Naphthalene</b>	<b>0.018</b>	<b>J</b>	0.036	0.0056	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
<b>Phenanthrene</b>	<b>0.065</b>		0.036	0.0050	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:03	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	65		41 - 120				06/05/17 16:47	06/07/17 23:03	1
2-Fluorobiphenyl (Surr)	66		44 - 121				06/05/17 16:47	06/07/17 23:03	1
Terphenyl-d14 (Surr)	81		35 - 160				06/05/17 16:47	06/07/17 23:03	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0064	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1221	<0.018		0.018	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1232	<0.018		0.018	0.0079	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
PCB-1260	<0.018		0.018	0.0089	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	79		49 - 129				06/07/17 07:19	06/07/17 17:35	1
DCB Decachlorobiphenyl	67		37 - 121				06/07/17 07:19	06/07/17 17:35	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.4	F1 F2	0.93	0.32	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Barium	18	V	0.93	0.11	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Cadmium	0.20	B	0.19	0.033	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Chromium	9.8	B	0.93	0.46	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Lead	9.6	F1	0.46	0.21	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Selenium	0.59	J	0.93	0.54	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1
Silver	<0.46		0.46	0.12	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:08	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016		0.016	0.0054	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:01	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 10-12.5**

**Lab Sample ID: 500-128769-21**

Date Collected: 05/26/17 10:45

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 89.2

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			06/07/17 14:02	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 15-17.5**

**Lab Sample ID: 500-128769-22**

Date Collected: 05/26/17 10:53

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 89.9

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Benzo[a]anthracene	<0.035		0.035	0.0047	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Benzo[a]pyrene	<0.035		0.035	0.0068	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Benzo[b]fluoranthene	<0.035		0.035	0.0076	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014 J</b>		0.035	0.011	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Chrysene</b>	<b>0.018 J</b>		0.035	0.0096	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Fluoranthene	<0.035		0.035	0.0065	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Naphthalene</b>	<b>0.026 J</b>		0.035	0.0054	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Phenanthrene</b>	<b>0.079</b>		0.035	0.0049	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Pyrene</b>	<b>0.015 J</b>		0.035	0.0070	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Fluorene</b>	<b>0.0051 J</b>		0.035	0.0050	mg/Kg	⊗	06/05/17 16:47	06/07/17 23:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	73			41 - 120			06/05/17 16:47	06/07/17 23:30	1
2-Fluorobiphenyl (Surr)	76			44 - 121			06/05/17 16:47	06/07/17 23:30	1
Terphenyl-d14 (Surr)	86			35 - 160			06/05/17 16:47	06/07/17 23:30	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0064	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1221	<0.018		0.018	0.0080	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1232	<0.018		0.018	0.0079	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
PCB-1260	<0.018		0.018	0.0089	mg/Kg	⊗	06/07/17 07:19	06/07/17 17:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	80			49 - 129			06/07/17 07:19	06/07/17 17:50	1
DCB Decachlorobiphenyl	65			37 - 121			06/07/17 07:19	06/07/17 17:50	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>9.0</b>		0.72	0.25	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
<b>Barium</b>	<b>10</b>		0.72	0.083	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
<b>Cadmium</b>	<b>0.15 B</b>		0.14	0.026	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
<b>Chromium</b>	<b>5.2 B</b>		0.72	0.36	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
<b>Lead</b>	<b>7.9</b>		0.36	0.17	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
<b>Selenium</b>	<b>0.63 J</b>		0.72	0.43	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1
Silver	<0.36		0.36	0.093	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:36	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.014 J</b>		0.016	0.0053	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:03	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 15-17.5**

**Lab Sample ID: 500-128769-22**

Date Collected: 05/26/17 10:53

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 89.9

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			06/07/17 14:05	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Qualifiers

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
V	Serial Dilution exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## GC/MS Semi VOA

### Prep Batch: 388080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	3541	5
500-128769-2	TB-1 25-27.5	Total/NA	Solid	3541	6
500-128769-3	TB-2 22.5-25	Total/NA	Solid	3541	7
500-128769-4	TB-2 27.5-30	Total/NA	Solid	3541	8
500-128769-5	TB-3 5-7.5	Total/NA	Solid	3541	9
500-128769-5 - DL	TB-3 5-7.5	Total/NA	Solid	3541	10
500-128769-6	TB-3 10-12.5	Total/NA	Solid	3541	11
500-128769-7	TB-4 2.5-5	Total/NA	Solid	3541	12
500-128769-7 - DL	TB-4 2.5-5	Total/NA	Solid	3541	13
500-128769-8	TB-4 7.5-10	Total/NA	Solid	3541	14
500-128769-9	TB-5 5-7.5	Total/NA	Solid	3541	15
500-128769-10	TB-6 2.5-5	Total/NA	Solid	3541	16
500-128769-11	TB-7 0-2.5	Total/NA	Solid	3541	17
500-128769-12	TB-8 2.5-5	Total/NA	Solid	3541	18
500-128769-13	TB-9 0-2.5	Total/NA	Solid	3541	19
MB 500-388080/1-A	Method Blank	Total/NA	Solid	3541	20
LCS 500-388080/2-A	Lab Control Sample	Total/NA	Solid	3541	21
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	3541	22
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	3541	23

### Prep Batch: 388212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-14	TB-10 2.5-5	Total/NA	Solid	3541	1
500-128769-15	TB-11 1-2.5	Total/NA	Solid	3541	2
500-128769-16	TB-12 2.5-5	Total/NA	Solid	3541	3
500-128769-17	TB-12 15-17.5	Total/NA	Solid	3541	4
500-128769-18	TB-13 1-2.5	Total/NA	Solid	3541	5
500-128769-19	TB-14 5-7.5	Total/NA	Solid	3541	6
500-128769-20	TB-14 17.5-20	Total/NA	Solid	3541	7
500-128769-21	TB-15 10-12.5	Total/NA	Solid	3541	8
500-128769-22	TB-15 15-17.5	Total/NA	Solid	3541	9
MB 500-388212/1-A	Method Blank	Total/NA	Solid	3541	10
LCS 500-388212/2-A	Lab Control Sample	Total/NA	Solid	3541	11
500-128769-14 MS	TB-10 2.5-5	Total/NA	Solid	3541	12
500-128769-14 MSD	TB-10 2.5-5	Total/NA	Solid	3541	13

### Analysis Batch: 388252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-388212/1-A	Method Blank	Total/NA	Solid	8270D	388212
LCS 500-388212/2-A	Lab Control Sample	Total/NA	Solid	8270D	388212

### Analysis Batch: 388382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	8270D	388080
500-128769-2	TB-1 25-27.5	Total/NA	Solid	8270D	388080
500-128769-3	TB-2 22.5-25	Total/NA	Solid	8270D	388080
500-128769-4	TB-2 27.5-30	Total/NA	Solid	8270D	388080
500-128769-5	TB-3 5-7.5	Total/NA	Solid	8270D	388080
500-128769-6	TB-3 10-12.5	Total/NA	Solid	8270D	388080
500-128769-7	TB-4 2.5-5	Total/NA	Solid	8270D	388080
500-128769-8	TB-4 7.5-10	Total/NA	Solid	8270D	388080

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## GC/MS Semi VOA (Continued)

### Analysis Batch: 388382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-9	TB-5 5-7.5	Total/NA	Solid	8270D	388080
500-128769-10	TB-6 2.5-5	Total/NA	Solid	8270D	388080
500-128769-11	TB-7 0-2.5	Total/NA	Solid	8270D	388080
500-128769-12	TB-8 2.5-5	Total/NA	Solid	8270D	388080
500-128769-13	TB-9 0-2.5	Total/NA	Solid	8270D	388080
MB 500-388080/1-A	Method Blank	Total/NA	Solid	8270D	388080
LCS 500-388080/2-A	Lab Control Sample	Total/NA	Solid	8270D	388080
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	8270D	388080
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	8270D	388080

### Analysis Batch: 388577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-5 - DL	TB-3 5-7.5	Total/NA	Solid	8270D	388080
500-128769-7 - DL	TB-4 2.5-5	Total/NA	Solid	8270D	388080
500-128769-14	TB-10 2.5-5	Total/NA	Solid	8270D	388212
500-128769-15	TB-11 1-2.5	Total/NA	Solid	8270D	388212
500-128769-16	TB-12 2.5-5	Total/NA	Solid	8270D	388212
500-128769-17	TB-12 15-17.5	Total/NA	Solid	8270D	388212
500-128769-18	TB-13 1-2.5	Total/NA	Solid	8270D	388212
500-128769-19	TB-14 5-7.5	Total/NA	Solid	8270D	388212
500-128769-20	TB-14 17.5-20	Total/NA	Solid	8270D	388212
500-128769-21	TB-15 10-12.5	Total/NA	Solid	8270D	388212
500-128769-22	TB-15 15-17.5	Total/NA	Solid	8270D	388212
500-128769-14 MSD	TB-10 2.5-5	Total/NA	Solid	8270D	388212

### Analysis Batch: 388689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-14 MS	TB-10 2.5-5	Total/NA	Solid	8270D	388212

## GC Semi VOA

### Prep Batch: 388431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	3541	
500-128769-2	TB-1 25-27.5	Total/NA	Solid	3541	
500-128769-3	TB-2 22.5-25	Total/NA	Solid	3541	
500-128769-4	TB-2 27.5-30	Total/NA	Solid	3541	
500-128769-5	TB-3 5-7.5	Total/NA	Solid	3541	
500-128769-6	TB-3 10-12.5	Total/NA	Solid	3541	
500-128769-7	TB-4 2.5-5	Total/NA	Solid	3541	
500-128769-8	TB-4 7.5-10	Total/NA	Solid	3541	
500-128769-16	TB-12 2.5-5	Total/NA	Solid	3541	
500-128769-17	TB-12 15-17.5	Total/NA	Solid	3541	
500-128769-19	TB-14 5-7.5	Total/NA	Solid	3541	
500-128769-20	TB-14 17.5-20	Total/NA	Solid	3541	
500-128769-21	TB-15 10-12.5	Total/NA	Solid	3541	
500-128769-22	TB-15 15-17.5	Total/NA	Solid	3541	
MB 500-388431/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-388431/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	3541	

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## GC Semi VOA (Continued)

### Prep Batch: 388431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	3541	

### Analysis Batch: 388499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	8082A	388431
500-128769-2	TB-1 25-27.5	Total/NA	Solid	8082A	388431
500-128769-3	TB-2 22.5-25	Total/NA	Solid	8082A	388431
500-128769-4	TB-2 27.5-30	Total/NA	Solid	8082A	388431
500-128769-5	TB-3 5-7.5	Total/NA	Solid	8082A	388431
500-128769-6	TB-3 10-12.5	Total/NA	Solid	8082A	388431
500-128769-7	TB-4 2.5-5	Total/NA	Solid	8082A	388431
500-128769-8	TB-4 7.5-10	Total/NA	Solid	8082A	388431
500-128769-16	TB-12 2.5-5	Total/NA	Solid	8082A	388431
500-128769-17	TB-12 15-17.5	Total/NA	Solid	8082A	388431
500-128769-19	TB-14 5-7.5	Total/NA	Solid	8082A	388431
500-128769-20	TB-14 17.5-20	Total/NA	Solid	8082A	388431
500-128769-21	TB-15 10-12.5	Total/NA	Solid	8082A	388431
500-128769-22	TB-15 15-17.5	Total/NA	Solid	8082A	388431
MB 500-388431/1-A	Method Blank	Total/NA	Solid	8082A	388431
LCS 500-388431/2-A	Lab Control Sample	Total/NA	Solid	8082A	388431
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	8082A	388431
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	8082A	388431

## Metals

### Prep Batch: 387556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	7471B	
500-128769-2	TB-1 25-27.5	Total/NA	Solid	7471B	
500-128769-3	TB-2 22.5-25	Total/NA	Solid	7471B	
500-128769-4	TB-2 27.5-30	Total/NA	Solid	7471B	
500-128769-5	TB-3 5-7.5	Total/NA	Solid	7471B	
500-128769-6	TB-3 10-12.5	Total/NA	Solid	7471B	
500-128769-7	TB-4 2.5-5	Total/NA	Solid	7471B	
500-128769-8	TB-4 7.5-10	Total/NA	Solid	7471B	
500-128769-9	TB-5 5-7.5	Total/NA	Solid	7471B	
500-128769-10	TB-6 2.5-5	Total/NA	Solid	7471B	
500-128769-11	TB-7 0-2.5	Total/NA	Solid	7471B	
500-128769-12	TB-8 2.5-5	Total/NA	Solid	7471B	
500-128769-13	TB-9 0-2.5	Total/NA	Solid	7471B	
500-128769-14	TB-10 2.5-5	Total/NA	Solid	7471B	
500-128769-15	TB-11 1-2.5	Total/NA	Solid	7471B	
500-128769-16	TB-12 2.5-5	Total/NA	Solid	7471B	
500-128769-17	TB-12 15-17.5	Total/NA	Solid	7471B	
500-128769-18	TB-13 1-2.5	Total/NA	Solid	7471B	
500-128769-19	TB-14 5-7.5	Total/NA	Solid	7471B	
500-128769-20	TB-14 17.5-20	Total/NA	Solid	7471B	
MB 500-387556/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-387556/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-128769-3 MS	TB-2 22.5-25	Total/NA	Solid	7471B	

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Metals (Continued)

### Prep Batch: 387556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-3 MSD	TB-2 22.5-25	Total/NA	Solid	7471B	
500-128769-3 DU	TB-2 22.5-25	Total/NA	Solid	7471B	

### Prep Batch: 387569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-21	TB-15 10-12.5	Total/NA	Solid	7471B	
500-128769-22	TB-15 15-17.5	Total/NA	Solid	7471B	
MB 500-387569/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-387569/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-128769-22 MS	TB-15 15-17.5	Total/NA	Solid	7471B	
500-128769-22 MSD	TB-15 15-17.5	Total/NA	Solid	7471B	
500-128769-22 DU	TB-15 15-17.5	Total/NA	Solid	7471B	

### Prep Batch: 387683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	3050B	
500-128769-2	TB-1 25-27.5	Total/NA	Solid	3050B	
500-128769-3	TB-2 22.5-25	Total/NA	Solid	3050B	
500-128769-4	TB-2 27.5-30	Total/NA	Solid	3050B	
500-128769-5	TB-3 5-7.5	Total/NA	Solid	3050B	
500-128769-6	TB-3 10-12.5	Total/NA	Solid	3050B	
500-128769-7	TB-4 2.5-5	Total/NA	Solid	3050B	
500-128769-8	TB-4 7.5-10	Total/NA	Solid	3050B	
500-128769-9	TB-5 5-7.5	Total/NA	Solid	3050B	
500-128769-10	TB-6 2.5-5	Total/NA	Solid	3050B	
500-128769-11	TB-7 0-2.5	Total/NA	Solid	3050B	
500-128769-12	TB-8 2.5-5	Total/NA	Solid	3050B	
500-128769-13	TB-9 0-2.5	Total/NA	Solid	3050B	
500-128769-14	TB-10 2.5-5	Total/NA	Solid	3050B	
500-128769-15	TB-11 1-2.5	Total/NA	Solid	3050B	
500-128769-16	TB-12 2.5-5	Total/NA	Solid	3050B	
500-128769-17	TB-12 15-17.5	Total/NA	Solid	3050B	
500-128769-18	TB-13 1-2.5	Total/NA	Solid	3050B	
500-128769-19	TB-14 5-7.5	Total/NA	Solid	3050B	
500-128769-20	TB-14 17.5-20	Total/NA	Solid	3050B	
MB 500-387683/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-387683/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	3050B	
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	3050B	
500-128769-1 DU	TB-1 22.5-25	Total/NA	Solid	3050B	

### Prep Batch: 387684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-21	TB-15 10-12.5	Total/NA	Solid	3050B	
500-128769-22	TB-15 15-17.5	Total/NA	Solid	3050B	
MB 500-387684/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-387684/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-128769-21 MS	TB-15 10-12.5	Total/NA	Solid	3050B	
500-128769-21 MSD	TB-15 10-12.5	Total/NA	Solid	3050B	
500-128769-21 DU	TB-15 10-12.5	Total/NA	Solid	3050B	

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Metals (Continued)

### Analysis Batch: 387712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	7471B	387556
500-128769-2	TB-1 25-27.5	Total/NA	Solid	7471B	387556
500-128769-3	TB-2 22.5-25	Total/NA	Solid	7471B	387556
500-128769-4	TB-2 27.5-30	Total/NA	Solid	7471B	387556
500-128769-5	TB-3 5-7.5	Total/NA	Solid	7471B	387556
500-128769-6	TB-3 10-12.5	Total/NA	Solid	7471B	387556
500-128769-7	TB-4 2.5-5	Total/NA	Solid	7471B	387556
500-128769-8	TB-4 7.5-10	Total/NA	Solid	7471B	387556
500-128769-9	TB-5 5-7.5	Total/NA	Solid	7471B	387556
500-128769-10	TB-6 2.5-5	Total/NA	Solid	7471B	387556
500-128769-11	TB-7 0-2.5	Total/NA	Solid	7471B	387556
500-128769-12	TB-8 2.5-5	Total/NA	Solid	7471B	387556
500-128769-13	TB-9 0-2.5	Total/NA	Solid	7471B	387556
500-128769-14	TB-10 2.5-5	Total/NA	Solid	7471B	387556
500-128769-15	TB-11 1-2.5	Total/NA	Solid	7471B	387556
500-128769-16	TB-12 2.5-5	Total/NA	Solid	7471B	387556
500-128769-17	TB-12 15-17.5	Total/NA	Solid	7471B	387556
500-128769-18	TB-13 1-2.5	Total/NA	Solid	7471B	387556
500-128769-19	TB-14 5-7.5	Total/NA	Solid	7471B	387556
500-128769-20	TB-14 17.5-20	Total/NA	Solid	7471B	387556
500-128769-21	TB-15 10-12.5	Total/NA	Solid	7471B	387569
500-128769-22	TB-15 15-17.5	Total/NA	Solid	7471B	387569
MB 500-387556/12-A	Method Blank	Total/NA	Solid	7471B	387556
MB 500-387569/12-A	Method Blank	Total/NA	Solid	7471B	387569
LCS 500-387556/13-A	Lab Control Sample	Total/NA	Solid	7471B	387556
LCS 500-387569/13-A	Lab Control Sample	Total/NA	Solid	7471B	387569
500-128769-3 MS	TB-2 22.5-25	Total/NA	Solid	7471B	387556
500-128769-3 MSD	TB-2 22.5-25	Total/NA	Solid	7471B	387556
500-128769-22 MS	TB-15 15-17.5	Total/NA	Solid	7471B	387569
500-128769-22 MSD	TB-15 15-17.5	Total/NA	Solid	7471B	387569
500-128769-3 DU	TB-2 22.5-25	Total/NA	Solid	7471B	387556
500-128769-22 DU	TB-15 15-17.5	Total/NA	Solid	7471B	387569

### Analysis Batch: 387830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	6010B	387683
500-128769-2	TB-1 25-27.5	Total/NA	Solid	6010B	387683
500-128769-3	TB-2 22.5-25	Total/NA	Solid	6010B	387683
500-128769-4	TB-2 27.5-30	Total/NA	Solid	6010B	387683
500-128769-5	TB-3 5-7.5	Total/NA	Solid	6010B	387683
500-128769-6	TB-3 10-12.5	Total/NA	Solid	6010B	387683
500-128769-7	TB-4 2.5-5	Total/NA	Solid	6010B	387683
500-128769-8	TB-4 7.5-10	Total/NA	Solid	6010B	387683
500-128769-9	TB-5 5-7.5	Total/NA	Solid	6010B	387683
500-128769-10	TB-6 2.5-5	Total/NA	Solid	6010B	387683
500-128769-11	TB-7 0-2.5	Total/NA	Solid	6010B	387683
500-128769-12	TB-8 2.5-5	Total/NA	Solid	6010B	387683
500-128769-13	TB-9 0-2.5	Total/NA	Solid	6010B	387683
500-128769-14	TB-10 2.5-5	Total/NA	Solid	6010B	387683
500-128769-15	TB-11 1-2.5	Total/NA	Solid	6010B	387683
500-128769-16	TB-12 2.5-5	Total/NA	Solid	6010B	387683

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Metals (Continued)

### Analysis Batch: 387830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-17	TB-12 15-17.5	Total/NA	Solid	6010B	387683
500-128769-18	TB-13 1-2.5	Total/NA	Solid	6010B	387683
500-128769-19	TB-14 5-7.5	Total/NA	Solid	6010B	387683
500-128769-20	TB-14 17.5-20	Total/NA	Solid	6010B	387683
MB 500-387683/1-A	Method Blank	Total/NA	Solid	6010B	387683
LCS 500-387683/2-A	Lab Control Sample	Total/NA	Solid	6010B	387683
500-128769-1 MS	TB-1 22.5-25	Total/NA	Solid	6010B	387683
500-128769-1 MSD	TB-1 22.5-25	Total/NA	Solid	6010B	387683
500-128769-1 DU	TB-1 22.5-25	Total/NA	Solid	6010B	387683

### Analysis Batch: 387831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-21	TB-15 10-12.5	Total/NA	Solid	6010B	387684
500-128769-22	TB-15 15-17.5	Total/NA	Solid	6010B	387684
MB 500-387684/1-A	Method Blank	Total/NA	Solid	6010B	387684
LCS 500-387684/2-A	Lab Control Sample	Total/NA	Solid	6010B	387684
500-128769-21 MS	TB-15 10-12.5	Total/NA	Solid	6010B	387684
500-128769-21 MSD	TB-15 10-12.5	Total/NA	Solid	6010B	387684
500-128769-21 DU	TB-15 10-12.5	Total/NA	Solid	6010B	387684

## General Chemistry

### Analysis Batch: 387354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	Moisture	
500-128769-2	TB-1 25-27.5	Total/NA	Solid	Moisture	
500-128769-3	TB-2 22.5-25	Total/NA	Solid	Moisture	
500-128769-4	TB-2 27.5-30	Total/NA	Solid	Moisture	
500-128769-5	TB-3 5-7.5	Total/NA	Solid	Moisture	
500-128769-6	TB-3 10-12.5	Total/NA	Solid	Moisture	
500-128769-7	TB-4 2.5-5	Total/NA	Solid	Moisture	
500-128769-8	TB-4 7.5-10	Total/NA	Solid	Moisture	
500-128769-9	TB-5 5-7.5	Total/NA	Solid	Moisture	
500-128769-10	TB-6 2.5-5	Total/NA	Solid	Moisture	
500-128769-11	TB-7 0-2.5	Total/NA	Solid	Moisture	
500-128769-12	TB-8 2.5-5	Total/NA	Solid	Moisture	
500-128769-13	TB-9 0-2.5	Total/NA	Solid	Moisture	
500-128769-14	TB-10 2.5-5	Total/NA	Solid	Moisture	
500-128769-15	TB-11 1-2.5	Total/NA	Solid	Moisture	
500-128769-16	TB-12 2.5-5	Total/NA	Solid	Moisture	
500-128769-17	TB-12 15-17.5	Total/NA	Solid	Moisture	
500-128769-18	TB-13 1-2.5	Total/NA	Solid	Moisture	
500-128769-19	TB-14 5-7.5	Total/NA	Solid	Moisture	
500-128769-20	TB-14 17.5-20	Total/NA	Solid	Moisture	
500-128769-2 DU	TB-1 25-27.5	Total/NA	Solid	Moisture	

### Analysis Batch: 387364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-21	TB-15 10-12.5	Total/NA	Solid	Moisture	
500-128769-22	TB-15 15-17.5	Total/NA	Solid	Moisture	

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## General Chemistry (Continued)

### Analysis Batch: 388475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	9045D	1
500-128769-2	TB-1 25-27.5	Total/NA	Solid	9045D	2
500-128769-3	TB-2 22.5-25	Total/NA	Solid	9045D	3
500-128769-4	TB-2 27.5-30	Total/NA	Solid	9045D	4
500-128769-5	TB-3 5-7.5	Total/NA	Solid	9045D	5
500-128769-6	TB-3 10-12.5	Total/NA	Solid	9045D	6
500-128769-7	TB-4 2.5-5	Total/NA	Solid	9045D	7
500-128769-8	TB-4 7.5-10	Total/NA	Solid	9045D	8
500-128769-9	TB-5 5-7.5	Total/NA	Solid	9045D	9
500-128769-10	TB-6 2.5-5	Total/NA	Solid	9045D	10
500-128769-11	TB-7 0-2.5	Total/NA	Solid	9045D	11
500-128769-12	TB-8 2.5-5	Total/NA	Solid	9045D	12
500-128769-13	TB-9 0-2.5	Total/NA	Solid	9045D	13
500-128769-14	TB-10 2.5-5	Total/NA	Solid	9045D	14
500-128769-15	TB-11 1-2.5	Total/NA	Solid	9045D	15
500-128769-14 DU	TB-10 2.5-5	Total/NA	Solid	9045D	

### Analysis Batch: 388555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-16	TB-12 2.5-5	Total/NA	Solid	9045D	1
500-128769-17	TB-12 15-17.5	Total/NA	Solid	9045D	2
500-128769-18	TB-13 1-2.5	Total/NA	Solid	9045D	3
500-128769-19	TB-14 5-7.5	Total/NA	Solid	9045D	4
500-128769-20	TB-14 17.5-20	Total/NA	Solid	9045D	5
500-128769-21	TB-15 10-12.5	Total/NA	Solid	9045D	6
500-128769-22	TB-15 15-17.5	Total/NA	Solid	9045D	7
500-128769-22 DU	TB-15 15-17.5	Total/NA	Solid	9045D	8

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (41-120)	FBP (44-121)	TPH (35-160)
500-128769-1	TB-1 22.5-25	81	73	85
500-128769-1 MS	TB-1 22.5-25	83	76	101
500-128769-1 MSD	TB-1 22.5-25	76	69	98
500-128769-2	TB-1 25-27.5	82	77	87
500-128769-3	TB-2 22.5-25	86	77	87
500-128769-4	TB-2 27.5-30	84	76	86
500-128769-5	TB-3 5-7.5	81	76	90
500-128769-5 - DL	TB-3 5-7.5	75	82	97
500-128769-6	TB-3 10-12.5	85	75	84
500-128769-7	TB-4 2.5-5	84	74	99
500-128769-7 - DL	TB-4 2.5-5	87	99	121
500-128769-8	TB-4 7.5-10	85	75	84
500-128769-9	TB-5 5-7.5	86	77	87
500-128769-10	TB-6 2.5-5	88	78	86
500-128769-11	TB-7 0-2.5	88	80	87
500-128769-12	TB-8 2.5-5	83	78	87
500-128769-13	TB-9 0-2.5	87	78	93
500-128769-14	TB-10 2.5-5	67	66	80
500-128769-14 MS	TB-10 2.5-5	69	75	83
500-128769-14 MSD	TB-10 2.5-5	68	65	84
500-128769-15	TB-11 1-2.5	61	59	72
500-128769-16	TB-12 2.5-5	67	69	80
500-128769-17	TB-12 15-17.5	75	75	86
500-128769-18	TB-13 1-2.5	60	62	82
500-128769-19	TB-14 5-7.5	64	65	82
500-128769-20	TB-14 17.5-20	61	63	77
500-128769-21	TB-15 10-12.5	65	66	81
500-128769-22	TB-15 15-17.5	73	76	86
LCS 500-388080/2-A	Lab Control Sample	86	76	89
LCS 500-388212/2-A	Lab Control Sample	74	72	86
MB 500-388080/1-A	Method Blank	86	77	88
MB 500-388212/1-A	Method Blank	71	71	91

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

TPH = Terphenyl-d14 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCB1 (37-121)
500-128769-1	TB-1 22.5-25	88	77
500-128769-1 MS	TB-1 22.5-25	85	71
500-128769-1 MSD	TB-1 22.5-25	83	69
500-128769-2	TB-1 25-27.5	73	72
500-128769-3	TB-2 22.5-25	78	79

TestAmerica Chicago

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCB1 (37-121)
500-128769-4	TB-2 27.5-30	78	77
500-128769-5	TB-3 5-7.5	104	90
500-128769-6	TB-3 10-12.5	79	69
500-128769-7	TB-4 2.5-5	77	65
500-128769-8	TB-4 7.5-10	81	71
500-128769-16	TB-12 2.5-5	70	64
500-128769-17	TB-12 15-17.5	80	67
500-128769-19	TB-14 5-7.5	79	74
500-128769-20	TB-14 17.5-20	86	72
500-128769-21	TB-15 10-12.5	79	67
500-128769-22	TB-15 15-17.5	80	65
LCS 500-388431/2-A	Lab Control Sample	87	78
MB 500-388431/1-A	Method Blank	77	71

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-388080/1-A**

**Matrix: Solid**

**Analysis Batch: 388382**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 388080**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.033		0.033	0.0060	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Anthracene	<0.033		0.033	0.0056	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Chrysene	<0.033		0.033	0.0091	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Naphthalene	<0.033		0.033	0.0051	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Pyrene	<0.033		0.033	0.0066	mg/Kg	06/05/17 07:33	06/07/17 01:06		1
Fluorene	<0.033		0.033	0.0047	mg/Kg	06/05/17 07:33	06/07/17 01:06		1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Nitrobenzene-d5 (Surr)	86		41 - 120			06/05/17 07:33	06/07/17 01:06	1
2-Fluorobiphenyl (Surr)	77		44 - 121			06/05/17 07:33	06/07/17 01:06	1
Terphenyl-d14 (Surr)	88		35 - 160			06/05/17 07:33	06/07/17 01:06	1

**Lab Sample ID: LCS 500-388080/2-A**

**Matrix: Solid**

**Analysis Batch: 388382**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388080**

Analyte	Spike	LCS	LCS	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier				
Acenaphthene	1.33	1.02		mg/Kg	77	58 - 110	
Acenaphthylene	1.33	1.15		mg/Kg	86	60 - 110	
Anthracene	1.33	1.16		mg/Kg	87	63 - 110	
Benzo[a]anthracene	1.33	1.16		mg/Kg	87	63 - 110	
Benzo[a]pyrene	1.33	1.16		mg/Kg	87	61 - 120	
Benzo[b]fluoranthene	1.33	1.22		mg/Kg	92	62 - 120	
Benzo[g,h,i]perylene	1.33	1.18		mg/Kg	89	64 - 120	
Benzo[k]fluoranthene	1.33	1.20		mg/Kg	90	65 - 120	
Chrysene	1.33	1.19		mg/Kg	89	63 - 120	
Dibenz(a,h)anthracene	1.33	1.17		mg/Kg	88	64 - 119	
Fluoranthene	1.33	1.11		mg/Kg	83	62 - 120	
Indeno[1,2,3-cd]pyrene	1.33	1.12		mg/Kg	84	57 - 127	
Naphthalene	1.33	1.09		mg/Kg	82	63 - 110	
Phenanthrene	1.33	1.15		mg/Kg	86	62 - 120	
Pyrene	1.33	1.28		mg/Kg	96	63 - 120	
Fluorene	1.33	1.10		mg/Kg	83	62 - 120	

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
	Result	Qualifier			
Nitrobenzene-d5 (Surr)	86		41 - 120		
2-Fluorobiphenyl (Surr)	76		44 - 121		

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID:** LCS 500-388080/2-A  
**Matrix:** Solid  
**Analysis Batch:** 388382

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 388080

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	89		35 - 160

**Lab Sample ID:** 500-128769-1 MS  
**Matrix:** Solid  
**Analysis Batch:** 388382

**Client Sample ID:** TB-1 22.5-25  
**Prep Type:** Total/NA  
**Prep Batch:** 388080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	<0.038		1.55	1.23		mg/Kg	⊗	79	58 - 110
Acenaphthylene	<0.038		1.55	1.35		mg/Kg	⊗	87	60 - 110
Anthracene	<0.038		1.55	1.39		mg/Kg	⊗	90	63 - 110
Benzo[a]anthracene	<0.038		1.55	1.41		mg/Kg	⊗	91	63 - 110
Benzo[a]pyrene	<0.038		1.55	1.44		mg/Kg	⊗	93	61 - 120
Benzo[b]fluoranthene	<0.038	F1	1.55	2.15	F1	mg/Kg	⊗	139	62 - 120
Benzo[g,h,i]perylene	<0.038	F1	1.55	0.597	F1	mg/Kg	⊗	39	64 - 120
Benzo[k]fluoranthene	<0.038	F1	1.55	1.96	F1	mg/Kg	⊗	126	65 - 120
Chrysene	0.018	J	1.55	1.44		mg/Kg	⊗	91	63 - 120
Dibenz(a,h)anthracene	<0.038	F1	1.55	0.815	F1	mg/Kg	⊗	53	64 - 119
Fluoranthene	<0.038		1.55	1.43		mg/Kg	⊗	93	62 - 120
Indeno[1,2,3-cd]pyrene	<0.038	F1	1.55	0.700	F1	mg/Kg	⊗	45	57 - 127
Naphthalene	<0.038		1.55	1.25		mg/Kg	⊗	81	63 - 110
Phenanthrene	0.013	J	1.55	1.41		mg/Kg	⊗	90	62 - 120
Pyrene	0.014	J	1.55	1.69		mg/Kg	⊗	108	63 - 120
Fluorene	<0.038		1.55	1.40		mg/Kg	⊗	90	62 - 120

Surrogate	LCS %Recovery	Limits
Nitrobenzene-d5 (Surr)	83	41 - 120
2-Fluorobiphenyl (Surr)	76	44 - 121
Terphenyl-d14 (Surr)	101	35 - 160

**Lab Sample ID:** 500-128769-1 MSD  
**Matrix:** Solid  
**Analysis Batch:** 388382

**Client Sample ID:** TB-1 22.5-25  
**Prep Type:** Total/NA  
**Prep Batch:** 388080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	<0.038		1.51	1.13		mg/Kg	⊗	74	58 - 110	9	30
Acenaphthylene	<0.038		1.51	1.24		mg/Kg	⊗	82	60 - 110	8	30
Anthracene	<0.038		1.51	1.32		mg/Kg	⊗	88	63 - 110	5	30
Benzo[a]anthracene	<0.038		1.51	1.32		mg/Kg	⊗	87	63 - 110	7	30
Benzo[a]pyrene	<0.038		1.51	1.32		mg/Kg	⊗	87	61 - 120	9	30
Benzo[b]fluoranthene	<0.038	F1	1.51	1.86	F1	mg/Kg	⊗	123	62 - 120	14	30
Benzo[g,h,i]perylene	<0.038	F1	1.51	0.577	F1	mg/Kg	⊗	38	64 - 120	3	30
Benzo[k]fluoranthene	<0.038	F1	1.51	1.68		mg/Kg	⊗	111	65 - 120	15	30
Chrysene	0.018	J	1.51	1.31		mg/Kg	⊗	85	63 - 120	9	30
Dibenz(a,h)anthracene	<0.038	F1	1.51	0.771	F1	mg/Kg	⊗	51	64 - 119	6	30
Fluoranthene	<0.038		1.51	1.34		mg/Kg	⊗	89	62 - 120	7	30
Indeno[1,2,3-cd]pyrene	<0.038	F1	1.51	0.665	F1	mg/Kg	⊗	44	57 - 127	5	30
Naphthalene	<0.038		1.51	1.11		mg/Kg	⊗	74	63 - 110	11	30
Phenanthrene	0.013	J	1.51	1.32		mg/Kg	⊗	86	62 - 120	7	30

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-128769-1 MSD**

**Matrix: Solid**

**Analysis Batch: 388382**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 388080**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Pyrene	0.014	J	1.51	1.64		mg/Kg	⊗	108	63 - 120	3	30
Fluorene	<0.038		1.51	1.27		mg/Kg	⊗	84	62 - 120	10	30

**MSD MSD**

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	76		41 - 120
2-Fluorobiphenyl (Surr)	69		44 - 121
Terphenyl-d14 (Surr)	98		35 - 160

**Lab Sample ID: MB 500-388212/1-A**

**Matrix: Solid**

**Analysis Batch: 388252**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 388212**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.033		0.033	0.0060	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Anthracene	<0.033		0.033	0.0056	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Chrysene	<0.033		0.033	0.0091	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Naphthalene	<0.033		0.033	0.0051	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Pyrene	<0.033		0.033	0.0066	mg/Kg	06/05/17 16:47	06/06/17 12:12		1
Fluorene	<0.033		0.033	0.0047	mg/Kg	06/05/17 16:47	06/06/17 12:12		1

**MB MB**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	71		41 - 120	06/05/17 16:47	06/06/17 12:12	1
2-Fluorobiphenyl (Surr)	71		44 - 121	06/05/17 16:47	06/06/17 12:12	1
Terphenyl-d14 (Surr)	91		35 - 160	06/05/17 16:47	06/06/17 12:12	1

**Lab Sample ID: LCS 500-388212/2-A**

**Matrix: Solid**

**Analysis Batch: 388252**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388212**

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier				
Acenaphthene	1.33	1.00		mg/Kg	75	58 - 110	
Acenaphthylene	1.33	1.08		mg/Kg	81	60 - 110	
Anthracene	1.33	1.09		mg/Kg	82	63 - 110	
Benzo[a]anthracene	1.33	1.09		mg/Kg	82	63 - 110	
Benzo[a]pyrene	1.33	1.16		mg/Kg	87	61 - 120	
Benzo[b]fluoranthene	1.33	1.13		mg/Kg	85	62 - 120	
Benzo[g,h,i]perylene	1.33	1.10		mg/Kg	83	64 - 120	
Benzo[k]fluoranthene	1.33	1.09		mg/Kg	82	65 - 120	

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-388212/2-A**

**Matrix: Solid**

**Analysis Batch: 388252**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388212**

**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chrysene	1.33	1.10		mg/Kg	82	63 - 120	
Dibenz(a,h)anthracene	1.33	1.16		mg/Kg	87	64 - 119	
Fluoranthene	1.33	1.01		mg/Kg	76	62 - 120	
Indeno[1,2,3-cd]pyrene	1.33	1.12		mg/Kg	84	57 - 127	
Naphthalene	1.33	1.04		mg/Kg	78	63 - 110	
Phenanthrene	1.33	1.07		mg/Kg	80	62 - 120	
Pyrene	1.33	1.19		mg/Kg	89	63 - 120	
Fluorene	1.33	1.05		mg/Kg	78	62 - 120	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	74		41 - 120
2-Fluorobiphenyl (Surr)	72		44 - 121
Terphenyl-d14 (Surr)	86		35 - 160

**Lab Sample ID: 500-128769-14 MS**

**Matrix: Solid**

**Analysis Batch: 388689**

**Client Sample ID: TB-10 2.5-5**

**Prep Type: Total/NA**

**Prep Batch: 388212**

**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	<0.038		1.51	1.21		mg/Kg	⊗	80	58 - 110
Acenaphthylene	<0.038		1.51	1.18		mg/Kg	⊗	78	60 - 110
Anthracene	0.011 J		1.51	1.22		mg/Kg	⊗	80	63 - 110
Benzo[a]anthracene	0.037 J		1.51	1.19		mg/Kg	⊗	76	63 - 110
Benzo[a]pyrene	0.041		1.51	1.25		mg/Kg	⊗	80	61 - 120
Benzo[b]fluoranthene	0.055		1.51	1.23		mg/Kg	⊗	78	62 - 120
Benzo[g,h,i]perylene	0.028 J F1		1.51	1.10		mg/Kg	⊗	71	64 - 120
Benzo[k]fluoranthene	0.021 J		1.51	1.26		mg/Kg	⊗	82	65 - 120
Chrysene	0.044		1.51	1.22		mg/Kg	⊗	78	63 - 120
Dibenz(a,h)anthracene	0.010 J		1.51	1.18		mg/Kg	⊗	78	64 - 119
Fluoranthene	0.084		1.51	1.32		mg/Kg	⊗	82	62 - 120
Indeno[1,2,3-cd]pyrene	0.032 J		1.51	1.18		mg/Kg	⊗	76	57 - 127
Naphthalene	<0.038		1.51	1.11		mg/Kg	⊗	73	63 - 110
Phenanthrene	0.057		1.51	1.24		mg/Kg	⊗	79	62 - 120
Pyrene	0.071 F1		1.51	1.20		mg/Kg	⊗	75	63 - 120
Fluorene	0.0080 J		1.51	1.23		mg/Kg	⊗	81	62 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	69		41 - 120
2-Fluorobiphenyl (Surr)	75		44 - 121
Terphenyl-d14 (Surr)	83		35 - 160

**Lab Sample ID: 500-128769-14 MSD**

**Matrix: Solid**

**Analysis Batch: 388577**

**Client Sample ID: TB-10 2.5-5**

**Prep Type: Total/NA**

**Prep Batch: 388212**

**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	<0.038		1.58	1.08		mg/Kg	⊗	68	58 - 110	12	30
Acenaphthylene	<0.038		1.58	1.17		mg/Kg	⊗	74	60 - 110	1	30

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-128769-14 MSD**

**Matrix: Solid**

**Analysis Batch: 388577**

**Client Sample ID: TB-10 2.5-5**

**Prep Type: Total/NA**

**Prep Batch: 388212**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Anthracene	0.011	J	1.58	1.23		mg/Kg	⊗	77	63 - 110	1	30
Benzo[a]anthracene	0.037	J	1.58	1.28		mg/Kg	⊗	79	63 - 110	7	30
Benzo[a]pyrene	0.041		1.58	1.30		mg/Kg	⊗	79	61 - 120	3	30
Benzo[b]fluoranthene	0.055		1.58	1.26		mg/Kg	⊗	76	62 - 120	3	30
Benzo[g,h,i]perylene	0.028	J F1	1.58	0.929	F1	mg/Kg	⊗	57	64 - 120	17	30
Benzo[k]fluoranthene	0.021	J	1.58	1.32		mg/Kg	⊗	82	65 - 120	4	30
Chrysene	0.044		1.58	1.27		mg/Kg	⊗	78	63 - 120	4	30
Dibenz(a,h)anthracene	0.010	J	1.58	1.06		mg/Kg	⊗	67	64 - 119	11	30
Fluoranthene	0.084		1.58	1.29		mg/Kg	⊗	77	62 - 120	2	30
Indeno[1,2,3-cd]pyrene	0.032	J	1.58	0.987		mg/Kg	⊗	60	57 - 127	18	30
Naphthalene	<0.038		1.58	1.13		mg/Kg	⊗	71	63 - 110	2	30
Phenanthrene	0.057		1.58	1.25		mg/Kg	⊗	75	62 - 120	0	30
Pyrene	0.071	F1	1.58	1.34		mg/Kg	⊗	80	63 - 120	11	30
Fluorene	0.0080	J	1.58	1.16		mg/Kg	⊗	73	62 - 120	6	30
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>							
Nitrobenzene-d5 (Surr)	68			41 - 120							
2-Fluorobiphenyl (Surr)	65			44 - 121							
Terphenyl-d14 (Surr)	84			35 - 160							

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-388431/1-A**

**Matrix: Solid**

**Analysis Batch: 388499**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 388431**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.017		0.017	0.0059	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1221	<0.017		0.017	0.0073	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1232	<0.017		0.017	0.0073	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1242	<0.017		0.017	0.0055	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1248	<0.017		0.017	0.0066	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1254	<0.017		0.017	0.0036	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
PCB-1260	<0.017		0.017	0.0082	mg/Kg		06/07/17 07:19	06/07/17 13:30	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	77			49 - 129			06/07/17 07:19	06/07/17 13:30	1
DCB Decachlorobiphenyl	71			37 - 121			06/07/17 07:19	06/07/17 13:30	1

**Lab Sample ID: LCS 500-388431/2-A**

**Matrix: Solid**

**Analysis Batch: 388499**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388431**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
PCB-1016	0.167	0.143		mg/Kg		86	57 - 120
PCB-1260	0.167	0.155		mg/Kg		93	61 - 125

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: LCS 500-388431/2-A**

**Matrix: Solid**

**Analysis Batch: 388499**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388431**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	87		49 - 129
DCB Decachlorobiphenyl	78		37 - 121

**Lab Sample ID: 500-128769-1 MS**

**Matrix: Solid**

**Analysis Batch: 388499**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 388431**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limts
PCB-1016	<0.019		0.184	0.151		mg/Kg	⊗	82	57 - 120
PCB-1260	<0.019		0.184	0.157		mg/Kg	⊗	85	61 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	85		49 - 129
DCB Decachlorobiphenyl	71		37 - 121

**Lab Sample ID: 500-128769-1 MSD**

**Matrix: Solid**

**Analysis Batch: 388499**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 388431**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD Limts	RPD Limit
PCB-1016	<0.019		0.186	0.160		mg/Kg	⊗	86	57 - 120	6 30
PCB-1260	<0.019		0.186	0.153		mg/Kg	⊗	83	61 - 125	2 30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	83		49 - 129
DCB Decachlorobiphenyl	69		37 - 121

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 500-387683/1-A**

**Matrix: Solid**

**Analysis Batch: 387830**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 387683**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<1.0		1.0	0.34	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Barium	<1.0		1.0	0.11	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Cadmium	<0.20		0.20	0.036	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Chromium	<1.0		1.0	0.50	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Lead	<0.50		0.50	0.23	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Selenium	<1.0		1.0	0.59	mg/Kg		06/01/17 08:30	06/01/17 16:51	1
Silver	<0.50		0.50	0.13	mg/Kg		06/01/17 08:30	06/01/17 16:51	1

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: LCS 500-387683/2-A**

**Matrix: Solid**

**Analysis Batch: 387830**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 387683**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Arsenic	10.0	9.59		mg/Kg		96	80 - 120
Barium	200	185		mg/Kg		92	80 - 120
Cadmium	5.00	4.82		mg/Kg		96	80 - 120
Chromium	20.0	19.7		mg/Kg		99	80 - 120
Lead	10.0	9.63		mg/Kg		96	80 - 120
Selenium	10.0	8.91		mg/Kg		89	80 - 120
Silver	5.00	4.66		mg/Kg		93	80 - 120

**Lab Sample ID: 500-128769-1 MS**

**Matrix: Solid**

**Analysis Batch: 387830**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 387683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
Arsenic	3.1		10.5	15.3		mg/Kg	⊗	116	75 - 125
Barium	27	V	210	215		mg/Kg	⊗	89	75 - 125
Cadmium	<0.23		5.24	4.50		mg/Kg	⊗	86	75 - 125
Chromium	14		21.0	34.7		mg/Kg	⊗	98	75 - 125
Lead	11	F1	10.5	24.5	F1	mg/Kg	⊗	130	75 - 125
Selenium	<1.1		10.5	9.31		mg/Kg	⊗	89	75 - 125
Silver	<0.57		5.24	4.39		mg/Kg	⊗	84	75 - 125

**Lab Sample ID: 500-128769-1 MSD**

**Matrix: Solid**

**Analysis Batch: 387830**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 387683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD
Arsenic	3.1		10.3	14.2		mg/Kg	⊗	108	75 - 125	7	20
Barium	27	V	207	210		mg/Kg	⊗	88	75 - 125	2	20
Cadmium	<0.23		5.17	4.45		mg/Kg	⊗	86	75 - 125	1	20
Chromium	14		20.7	34.9		mg/Kg	⊗	100	75 - 125	0	20
Lead	11	F1	10.3	23.6		mg/Kg	⊗	123	75 - 125	4	20
Selenium	<1.1		10.3	9.90		mg/Kg	⊗	96	75 - 125	6	20
Silver	<0.57		5.17	4.46		mg/Kg	⊗	86	75 - 125	1	20

**Lab Sample ID: 500-128769-1 DU**

**Matrix: Solid**

**Analysis Batch: 387830**

**Client Sample ID: TB-1 22.5-25**

**Prep Type: Total/NA**

**Prep Batch: 387683**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD
Arsenic	3.1			5.77	F3	mg/Kg	⊗			61	20
Barium	27	V		32.6		mg/Kg	⊗			17	20
Cadmium	<0.23			0.0563	J	mg/Kg	⊗			NC	20
Chromium	14			15.3		mg/Kg	⊗			8	20
Lead	11	F1		14.8	F3	mg/Kg	⊗			31	20
Selenium	<1.1			0.941	J	mg/Kg	⊗			NC	20
Silver	<0.57			<0.53		mg/Kg	⊗			NC	20

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: MB 500-387684/1-A**

**Matrix: Solid**

**Analysis Batch: 387831**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 387684**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<1.0		1.0	0.34	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Barium	<1.0		1.0	0.11	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Cadmium	0.0432	J	0.20	0.036	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Chromium	0.556	J	1.0	0.50	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Lead	<0.50		0.50	0.23	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Selenium	<1.0		1.0	0.59	mg/Kg		06/01/17 08:40	06/01/17 15:55	1
Silver	<0.50		0.50	0.13	mg/Kg		06/01/17 08:40	06/01/17 15:55	1

**Lab Sample ID: LCS 500-387684/2-A**

**Matrix: Solid**

**Analysis Batch: 387831**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 387684**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Arsenic	10.0	9.12		mg/Kg		91	80 - 120
Barium	200	191		mg/Kg		95	80 - 120
Cadmium	5.00	4.72		mg/Kg		94	80 - 120
Chromium	20.0	18.9		mg/Kg		95	80 - 120
Lead	10.0	9.15		mg/Kg		92	80 - 120
Selenium	10.0	8.78		mg/Kg		88	80 - 120
Silver	5.00	4.46		mg/Kg		89	80 - 120

**Lab Sample ID: 500-128769-21 MS**

**Matrix: Solid**

**Analysis Batch: 387831**

**Client Sample ID: TB-15 10-12.5**

**Prep Type: Total/NA**

**Prep Batch: 387684**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Arsenic	6.4	F1 F2	10.1	18.0		mg/Kg	⊗	115	75 - 125
Barium	18	V	203	199		mg/Kg	⊗	89	75 - 125
Cadmium	0.20	B	5.07	4.75		mg/Kg	⊗	90	75 - 125
Chromium	9.8	B	20.3	29.0		mg/Kg	⊗	95	75 - 125
Lead	9.6	F1	10.1	21.0		mg/Kg	⊗	113	75 - 125
Selenium	0.59	J	10.1	8.52		mg/Kg	⊗	78	75 - 125
Silver	<0.46		5.07	4.50		mg/Kg	⊗	89	75 - 125

**Lab Sample ID: 500-128769-21 MSD**

**Matrix: Solid**

**Analysis Batch: 387831**

**Client Sample ID: TB-15 10-12.5**

**Prep Type: Total/NA**

**Prep Batch: 387684**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Arsenic	6.4	F1 F2	9.62	28.6	F1 F2	mg/Kg	⊗	231	75 - 125	45	20
Barium	18	V	192	189		mg/Kg	⊗	89	75 - 125	5	20
Cadmium	0.20	B	4.81	4.52		mg/Kg	⊗	90	75 - 125	5	20
Chromium	9.8	B	19.2	26.9		mg/Kg	⊗	89	75 - 125	8	20
Lead	9.6	F1	9.62	23.8	F1	mg/Kg	⊗	148	75 - 125	12	20
Selenium	0.59	J	9.62	9.08		mg/Kg	⊗	88	75 - 125	6	20
Silver	<0.46		4.81	4.34		mg/Kg	⊗	90	75 - 125	4	20

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID:** 500-128769-21 DU

**Matrix:** Solid

**Analysis Batch:** 387831

**Client Sample ID:** TB-15 10-12.5

**Prep Type:** Total/NA

**Prep Batch:** 387684

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier						
Arsenic	6.4	F1 F2	6.42		mg/Kg	⊗	0.6	20
Barium	18	V	17.8		mg/Kg	⊗	1	20
Cadmium	0.20	B	0.165	J	mg/Kg	⊗	18	20
Chromium	9.8	B	9.61		mg/Kg	⊗	2	20
Lead	9.6	F1	9.47		mg/Kg	⊗	2	20
Selenium	0.59	J	<0.91		mg/Kg	⊗	NC	20
Silver	<0.46		<0.45		mg/Kg	⊗	NC	20

## Method: 7471B - Mercury (CVAA)

**Lab Sample ID:** MB 500-387556/12-A

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387556

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.017		0.017	0.0056	mg/Kg		06/01/17 07:30	06/01/17 12:03	1

**Lab Sample ID:** LCS 500-387556/13-A

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 387556

Analyte	Spike	LCSS	LCSS	Unit	D	%Rec	Limits
		Added	Result				
Mercury	0.167		0.170	mg/Kg		102	80 - 120

**Lab Sample ID:** 500-128769-3 MS

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** TB-2 22.5-25

**Prep Type:** Total/NA

**Prep Batch:** 387556

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier		Added	Result				
Mercury	0.029		0.0940		0.121	mg/Kg	⊗	98	75 - 125

**Lab Sample ID:** 500-128769-3 MSD

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** TB-2 22.5-25

**Prep Type:** Total/NA

**Prep Batch:** 387556

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Added	Result						
Mercury	0.029		0.0813		0.115	mg/Kg	⊗	107	75 - 125	5	20

**Lab Sample ID:** 500-128769-3 DU

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** TB-2 22.5-25

**Prep Type:** Total/NA

**Prep Batch:** 387556

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Mercury	0.029		0.0299		mg/Kg	⊗	4	20

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Method: 7471B - Mercury (CVAA) (Continued)

**Lab Sample ID: MB 500-387569/12-A**

**Matrix: Solid**

**Analysis Batch: 387712**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 387569**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0056	mg/Kg		06/01/17 07:30	06/01/17 09:49	1

**Lab Sample ID: LCS 500-387569/13-A**

**Matrix: Solid**

**Analysis Batch: 387712**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 387569**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.167	0.179		mg/Kg		107	80 - 120

**Lab Sample ID: 500-128769-22 MS**

**Matrix: Solid**

**Analysis Batch: 387712**

**Client Sample ID: TB-15 15-17.5**

**Prep Type: Total/NA**

**Prep Batch: 387569**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	0.014	J	0.0798	0.0846		mg/Kg	⊗	88	75 - 125

**Lab Sample ID: 500-128769-22 MSD**

**Matrix: Solid**

**Analysis Batch: 387712**

**Client Sample ID: TB-15 15-17.5**

**Prep Type: Total/NA**

**Prep Batch: 387569**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	Limit
Mercury	0.014	J	0.0828	0.0895		mg/Kg	⊗	91	75 - 125	6 20

**Lab Sample ID: 500-128769-22 DU**

**Matrix: Solid**

**Analysis Batch: 387712**

**Client Sample ID: TB-15 15-17.5**

**Prep Type: Total/NA**

**Prep Batch: 387569**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.014	J	0.0157	J	mg/Kg	⊗	8	20

## Method: 9045D - pH

**Lab Sample ID: 500-128769-14 DU**

**Matrix: Solid**

**Analysis Batch: 388475**

**Client Sample ID: TB-10 2.5-5**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	8.6		8.6		SU		0	

**Lab Sample ID: 500-128769-22 DU**

**Matrix: Solid**

**Analysis Batch: 388555**

**Client Sample ID: TB-15 15-17.5**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	7.8		7.8		SU		0	

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-1 22.5-25**

**Date Collected: 05/25/17 09:47**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:35	SMO	TAL CHI
						(End) 06/06/17 15:38		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

**Client Sample ID: TB-1 22.5-25**

**Date Collected: 05/25/17 09:47**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-1**

**Matrix: Solid**

**Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 06:11	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 14:00	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 16:58	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:52	MJD	TAL CHI

**Client Sample ID: TB-1 25-27.5**

**Date Collected: 05/25/17 09:52**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:38	SMO	TAL CHI
						(End) 06/06/17 15:41		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

**Client Sample ID: TB-1 25-27.5**

**Date Collected: 05/25/17 09:52**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-2**

**Matrix: Solid**

**Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 01:34	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 14:46	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:19	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:54	MJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-2 22.5-25

Date Collected: 05/25/17 10:34  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:41 (End) 06/06/17 15:44	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-2 22.5-25

Date Collected: 05/25/17 10:34  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-3

Matrix: Solid  
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 02:01	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 15:01	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:30	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:57	MJD	TAL CHI

## Client Sample ID: TB-2 27.5-30

Date Collected: 05/25/17 10:40  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:44 (End) 06/06/17 15:47	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-2 27.5-30

Date Collected: 05/25/17 10:40  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-4

Matrix: Solid  
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 02:29	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 15:17	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:36	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:06	MJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-3 5-7.5

Date Collected: 05/25/17 11:15  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:47	SMO	TAL CHI
						(End) 06/06/17 15:50		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-3 5-7.5

Date Collected: 05/25/17 11:15  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-5

Matrix: Solid  
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 06:39	AJD	TAL CHI
Total/NA	Prep	3541	DL		388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D	DL	2	388577	06/08/17 01:14	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 15:32	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:41	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:12	MJD	TAL CHI

## Client Sample ID: TB-3 10-12.5

Date Collected: 05/25/17 11:20  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:50	SMO	TAL CHI
						(End) 06/06/17 15:53		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-3 10-12.5

Date Collected: 05/25/17 11:20  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-6

Matrix: Solid  
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 02:57	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 15:47	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:46	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## **Client Sample ID: TB-3 10-12.5**

**Date Collected:** 05/25/17 11:20  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-6**

**Matrix:** Solid  
**Percent Solids:** 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	387712	06/01/17 11:15	MJD	TAL CHI

## **Client Sample ID: TB-4 2.5-5**

**Date Collected:** 05/25/17 11:46  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-7**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:53	SMO	TAL CHI
						(End) 06/06/17 15:56		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## **Client Sample ID: TB-4 2.5-5**

**Date Collected:** 05/25/17 11:46  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-7**

**Matrix:** Solid  
**Percent Solids:** 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 07:06	AJD	TAL CHI
Total/NA	Prep	3541	DL		388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D	DL	10	388577	06/08/17 01:41	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 16:03	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:51	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:17	MJD	TAL CHI

## **Client Sample ID: TB-4 7.5-10**

**Date Collected:** 05/25/17 11:50  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-8**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 15:56	SMO	TAL CHI
						(End) 06/06/17 15:58		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## **Client Sample ID: TB-4 7.5-10**

**Date Collected:** 05/25/17 11:50  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-8**

**Matrix:** Solid  
**Percent Solids:** 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 03:24	AJD	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 16:18	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 17:55	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:19	MJD	TAL CHI

## **Client Sample ID: TB-5 5-7.5**

**Date Collected:** 05/25/17 13:40  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-9**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475		SMO	TAL CHI
					(Start)	06/06/17 15:58		
					(End)	06/06/17 16:01		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## **Client Sample ID: TB-5 5-7.5**

**Date Collected:** 05/25/17 13:40  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-9**

**Matrix:** Solid  
**Percent Solids:** 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 03:52	AJD	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:00	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:22	MJD	TAL CHI

## **Client Sample ID: TB-6 2.5-5**

**Date Collected:** 05/25/17 14:10  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-10**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475		SMO	TAL CHI
					(Start)	06/06/17 16:01		
					(End)	06/06/17 16:04		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## **Client Sample ID: TB-6 2.5-5**

**Date Collected:** 05/25/17 14:10  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-10**

**Matrix:** Solid  
**Percent Solids:** 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 04:20	AJD	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:04	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:24	MJD	TAL CHI

## **Client Sample ID: TB-7 0-2.5**

**Date Collected:** 05/25/17 14:20  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-11**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 16:04	SMO	TAL CHI
						(End) 06/06/17 16:07		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## **Client Sample ID: TB-7 0-2.5**

**Date Collected:** 05/25/17 14:20  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-11**

**Matrix:** Solid  
**Percent Solids:** 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 04:48	AJD	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:10	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:26	MJD	TAL CHI

## **Client Sample ID: TB-8 2.5-5**

**Date Collected:** 05/25/17 14:35  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-12**

**Matrix:** Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 16:07	SMO	TAL CHI
						(End) 06/06/17 16:10		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-8 2.5-5

Date Collected: 05/25/17 14:35  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-12

Matrix: Solid  
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 05:15	AJD	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:15	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:29	MJD	TAL CHI

## Client Sample ID: TB-9 0-2.5

Date Collected: 05/25/17 14:52  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 16:10	SMO	TAL CHI
						(End) 06/06/17 16:13		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-9 0-2.5

Date Collected: 05/25/17 14:52  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-13

Matrix: Solid  
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388080	06/05/17 07:33	STW	TAL CHI
Total/NA	Analysis	8270D		1	388382	06/07/17 05:43	AJD	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:27	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:31	MJD	TAL CHI

## Client Sample ID: TB-10 2.5-5

Date Collected: 05/25/17 15:10  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 16:13	SMO	TAL CHI
						(End) 06/06/17 16:16		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-10 2.5-5

Date Collected: 05/25/17 15:10  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-14

Matrix: Solid  
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 20:00	GES	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:32	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:33	MJD	TAL CHI

## Client Sample ID: TB-11 1-2.5

Date Collected: 05/26/17 08:15  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388475	(Start) 06/06/17 16:37	SMO	TAL CHI
						(End) 06/06/17 16:40		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-11 1-2.5

Date Collected: 05/26/17 08:15  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-15

Matrix: Solid  
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 20:26	GES	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:37	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:40	MJD	TAL CHI

## Client Sample ID: TB-12 2.5-5

Date Collected: 05/26/17 08:33  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:48	SMO	TAL CHI
						(End) 06/07/17 13:51		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## **Client Sample ID: TB-12 2.5-5**

Date Collected: 05/26/17 08:33

Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-16**

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 20:52	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 16:33	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:41	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:43	MJD	TAL CHI

## **Client Sample ID: TB-12 15-17.5**

Date Collected: 05/26/17 09:00

Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-17**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555		SMO	TAL CHI
					(Start)	06/07/17 13:51		
					(End)	06/07/17 13:54		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## **Client Sample ID: TB-12 15-17.5**

Date Collected: 05/26/17 09:00

Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-17**

Matrix: Solid

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 21:19	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 16:49	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:47	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:45	MJD	TAL CHI

## **Client Sample ID: TB-13 1-2.5**

Date Collected: 05/26/17 09:20

Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-18**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555		SMO	TAL CHI
					(Start)	06/07/17 13:54		
					(End)	06/07/17 13:57		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Client Sample ID: TB-13 1-2.5

Date Collected: 05/26/17 09:20

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-18

Matrix: Solid

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 21:45	GES	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:52	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:47	MJD	TAL CHI

## Client Sample ID: TB-14 5-7.5

Date Collected: 05/26/17 10:10

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:57	SMO	TAL CHI
						(End) 06/07/17 13:59		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

## Client Sample ID: TB-14 5-7.5

Date Collected: 05/26/17 10:10

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-19

Matrix: Solid

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 22:11	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 17:04	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 18:56	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:49	MJD	TAL CHI

## Client Sample ID: TB-14 17.5-20

Date Collected: 05/26/17 10:20

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128769-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:59	SMO	TAL CHI
						(End) 06/07/17 14:02		
Total/NA	Analysis	Moisture		1	387354	05/30/17 10:54	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-14 17.5-20**

Date Collected: 05/26/17 10:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-20**

Matrix: Solid

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 22:37	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 17:19	BJH	TAL CHI
Total/NA	Prep	3050B			387683	06/01/17 08:30	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387830	06/01/17 19:00	PJ1	TAL CHI
Total/NA	Prep	7471B			387556	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 11:52	MJD	TAL CHI

**Client Sample ID: TB-15 10-12.5**

Date Collected: 05/26/17 10:45

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-21**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555		SMO	TAL CHI
					(Start)	06/07/17 14:02		
					(End)	06/07/17 14:05		
Total/NA	Analysis	Moisture		1	387364	05/30/17 11:49	LWN	TAL CHI

**Client Sample ID: TB-15 10-12.5**

Date Collected: 05/26/17 10:45

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-21**

Matrix: Solid

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 23:03	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 17:35	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:08	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:01	MJD	TAL CHI

**Client Sample ID: TB-15 15-17.5**

Date Collected: 05/26/17 10:53

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-22**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555		SMO	TAL CHI
					(Start)	06/07/17 14:05		
					(End)	06/07/17 14:08		
Total/NA	Analysis	Moisture		1	387364	05/30/17 11:49	LWN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

**Client Sample ID: TB-15 15-17.5**

**Date Collected: 05/26/17 10:53**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-22**

**Matrix: Solid**

**Percent Solids: 89.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388212	06/05/17 16:47	JP1	TAL CHI
Total/NA	Analysis	8270D		1	388577	06/07/17 23:30	GES	TAL CHI
Total/NA	Prep	3541			388431	06/07/17 07:19	STW	TAL CHI
Total/NA	Analysis	8082A		1	388499	06/07/17 17:50	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:36	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:03	MJD	TAL CHI

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-1

## Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## Chain of Custody Record

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		COC No: 500-53734-26438.3	
Client Contact: Tyler Gomoll		Phone:		E-Mail: jim.knapp@testamericainc.com				Page: Page 3 of 4	
Company: TRC Environmental Corporation								Job #: <i>500-128769</i>	
Address: 230 West Monroe Suite 2300		Analysis Requested						Preservation Codes:	
City: Chicago								A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
State, Zip: IL, 60606									
Phone: 773-368-6141(Tel)		TAT Requested (days): <i>Standard</i>							
Email: TGMoll@trcsolutions.com		PO #: 108187							
Project Name: DG - Downers Grove, IL		WO #: Project #: 50013397							
Site:		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil)	Field Filtered Sample (Yes or No)	Performance Sample (Yes or No)	Total Number of containers	Special Instructions/Note:
1	TB-1 22.5 - 25	<i>5/25/17</i>	<i>0947</i>	<i>G</i>	Solid	X	N		
2	TB-1 25 - 27.5		<i>0952</i>		Solid	X	N		
3	TB-2 22.5 - 25		<i>1034</i>		Solid	X	N		
4	TB-2 27.5 - 30		<i>1040</i>		Solid	X	N		
5	TB-3 5 - 7.5		<i>1115</i>		Solid	X	N		
6	TB-3 10 - 12.5		<i>1120</i>		Solid	X	N		
7	TB-4 2.5 - 5		<i>1146</i>		Solid	X	N		
8	TB-4 7.5 - 10		<i>1150</i>		Solid	X	N		
9	TB-5 5 - 7.5		<i>1340</i>		Solid	X	N		
10	TB-6 2.5 - 5		<i>1410</i>		Solid	X	N		
11	TB-7 0 - 2.5		<i>1420</i>		Solid	X	N		
Possible Hazard Identification									
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					Special Instructions/QC Requirements:				
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
<i>Tyler Gomoll</i>		<i>5/26/17 1215</i>		<i>TRC</i>		<i>Received by:</i>		Date/Time: <i>5/26/17 1215</i>	Company <i>TA</i>
<i>[Signature]</i>		<i>5/26/17 1310</i>		<i>TA</i>		<i>Received by:</i>		Date/Time: <i>05/26/17 1310</i>	Company <i>TA</i>
Relinquished by:		Date/Time:		Company		Received by:		Date/Time:	Company
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:			
						<i>5, 9, 15, 3, 4, 1, 3, 3</i>			

## Chain of Custody Record

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		COC No: 500-53734-26438.4		
Client Contact: Tyler Gomoll		Phone: <i>708-534-5200</i>		E-Mail: jimm.knapp@testamericainc.com						Page: Page 4 of 4
Company: TRC Environmental Corporation								Job #: <i>500-128769</i>		
Address: 230 West Monroe Suite 2300		Due Date Requested:						Preservation Codes:		
City: Chicago		TAT Requested (days):		<i>Standard</i>				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: IL, 60606								Other:		
Phone: 773-368-6141(Tel)		PO #: 108187								
Email: TGMoll@trcsolutions.com		WO #:								
Project Name: DG - Downers Grove, IL		Project #: 50013397								
Site:		SSOW#:								
		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil,	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Total Number of containers	Special Instructions/Note:		
12	TB-8 2.5-S	<i>5/26/17</i>	<i>1435</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
13	TB-9 0-2.5	<i>1</i>	<i>1452</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
14	TB-10 2.5-S		<i>1510</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
15	TB-11 1-2.5	<i>5/26/17</i>	<i>0815</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
16	TB-12 2.5-S		<i>0833</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
17	TB-12 15-17.5		<i>0900</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
18	TB-13 1-2.5		<i>0920</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
19	TB-14 5-7.5		<i>1010</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
20	TB-14 17.5-20		<i>1020</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
21	TB-15 10-12.5		<i>1045</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
22	TB-15 15-17.5		<i>1053</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months				
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:				
Empty Kit Relinquished by:			Date:	Time:		Method of Shipment:				
<i>Tyler Gomoll</i>			<i>5/26/17</i>	<i>1215</i>		Company <i>TRC</i>	Received by: <i>[Signature]</i>	Date/Time: <i>5/26/17 1215</i>	Company <i>TA</i>	
<i>[Signature]</i>			<i>5/26/17</i>	<i>1310</i>		Company <i>TRC</i>	Received by: <i>[Signature]</i>	Date/Time: <i>05/26/17 1310</i>	Company <i>TA</i>	
Relinquished by:			Date/Time:	Company		Received by:	Date/Time:	Company		
<i>[Signature]</i>			<i>5/26/17</i>	<i>1310</i>		Company <i>TRC</i>	Received by: <i>[Signature]</i>	Date/Time: <i>05/26/17 1310</i>	Company <i>TA</i>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <i>5, 9, 3, 4, 1, 3, 3</i>								
Cooler Temperature(s) °C and Other Remarks:										
Page 85 of 86 5, 9, 3, 4, 1, 3, 3										

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-128769-1

**Login Number:** 128769

**List Source:** TestAmerica Chicago

**List Number:** 1

**Creator:** Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(5.9)(5.3)(4.1)(3.3)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-128769-2

Client Project/Site: DG - Downers Grove, IL

For:

TRC Environmental Corporation

230 West Monroe

Suite 2300

Chicago, Illinois 60606

Attn: Michael Butler



Authorized for release by:

5/31/2017 3:01:33 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

### LINKS

Review your project  
results through

TotalAccess

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Detection Summary .....	4
Method Summary .....	6
Sample Summary .....	7
Client Sample Results .....	8
Definitions .....	30
QC Association .....	31
Surrogate Summary .....	32
QC Sample Results .....	33
Chronicle .....	36
Certification Summary .....	40
Chain of Custody .....	41
Receipt Checklists .....	43

## Case Narrative

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Job ID: 500-128769-2**

**Laboratory: TestAmerica Chicago**

### Narrative

**Job Narrative  
500-128769-2**

### Comments

No additional comments.

### Receipt

The samples were received on 5/26/2017 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.3° C, 4.1° C, 5.3° C and 5.9° C.

### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

### **Client Sample ID: TB-1 22.5-25**

### **Lab Sample ID: 500-128769-1**

No Detections.

### **Client Sample ID: TB-1 25-27.5**

### **Lab Sample ID: 500-128769-2**

No Detections.

### **Client Sample ID: TB-2 22.5-25**

### **Lab Sample ID: 500-128769-3**

No Detections.

### **Client Sample ID: TB-2 27.5-30**

### **Lab Sample ID: 500-128769-4**

No Detections.

### **Client Sample ID: TB-3 5-7.5**

### **Lab Sample ID: 500-128769-5**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.033		0.019	0.0081	mg/Kg	1	⊗	8260B	Total/NA
Methyl Ethyl Ketone	0.0046		0.0046	0.0021	mg/Kg	1	⊗	8260B	Total/NA

### **Client Sample ID: TB-3 10-12.5**

### **Lab Sample ID: 500-128769-6**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.024		0.017	0.0075	mg/Kg	1	⊗	8260B	Total/NA
Methyl Ethyl Ketone	0.0033	J	0.0043	0.0019	mg/Kg	1	⊗	8260B	Total/NA

### **Client Sample ID: TB-4 2.5-5**

### **Lab Sample ID: 500-128769-7**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.027		0.017	0.0076	mg/Kg	1	⊗	8260B	Total/NA
Methyl Ethyl Ketone	0.0049		0.0044	0.0019	mg/Kg	1	⊗	8260B	Total/NA

### **Client Sample ID: TB-4 7.5-10**

### **Lab Sample ID: 500-128769-8**

No Detections.

### **Client Sample ID: TB-5 5-7.5**

### **Lab Sample ID: 500-128769-9**

No Detections.

### **Client Sample ID: TB-6 2.5-5**

### **Lab Sample ID: 500-128769-10**

No Detections.

### **Client Sample ID: TB-7 0-2.5**

### **Lab Sample ID: 500-128769-11**

No Detections.

### **Client Sample ID: TB-8 2.5-5**

### **Lab Sample ID: 500-128769-12**

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

### Client Sample ID: TB-9 0-2.5

Lab Sample ID: 500-128769-13

No Detections.

### Client Sample ID: TB-10 2.5-5

Lab Sample ID: 500-128769-14

No Detections.

### Client Sample ID: TB-11 1-2.5

Lab Sample ID: 500-128769-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.021	0.0092	mg/Kg	1	⊗	8260B	Total/NA
Methyl Ethyl Ketone	0.0026	J	0.0053	0.0023	mg/Kg	1	⊗	8260B	Total/NA

### Client Sample ID: TB-12 2.5-5

Lab Sample ID: 500-128769-16

No Detections.

### Client Sample ID: TB-12 15-17.5

Lab Sample ID: 500-128769-17

No Detections.

### Client Sample ID: TB-13 1-2.5

Lab Sample ID: 500-128769-18

No Detections.

### Client Sample ID: TB-14 5-7.5

Lab Sample ID: 500-128769-19

No Detections.

### Client Sample ID: TB-14 17.5-20

Lab Sample ID: 500-128769-20

No Detections.

### Client Sample ID: TB-15 10-12.5

Lab Sample ID: 500-128769-21

No Detections.

### Client Sample ID: TB-15 15-17.5

Lab Sample ID: 500-128769-22

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
500-128769-1	TB-1 22.5-25	Solid	05/25/17 09:47	05/26/17 13:10	1
500-128769-2	TB-1 25-27.5	Solid	05/25/17 09:52	05/26/17 13:10	2
500-128769-3	TB-2 22.5-25	Solid	05/25/17 10:34	05/26/17 13:10	3
500-128769-4	TB-2 27.5-30	Solid	05/25/17 10:40	05/26/17 13:10	4
500-128769-5	TB-3 5-7.5	Solid	05/25/17 11:15	05/26/17 13:10	5
500-128769-6	TB-3 10-12.5	Solid	05/25/17 11:20	05/26/17 13:10	6
500-128769-7	TB-4 2.5-5	Solid	05/25/17 11:46	05/26/17 13:10	7
500-128769-8	TB-4 7.5-10	Solid	05/25/17 11:50	05/26/17 13:10	8
500-128769-9	TB-5 5-7.5	Solid	05/25/17 13:40	05/26/17 13:10	9
500-128769-10	TB-6 2.5-5	Solid	05/25/17 14:10	05/26/17 13:10	10
500-128769-11	TB-7 0-2.5	Solid	05/25/17 14:20	05/26/17 13:10	11
500-128769-12	TB-8 2.5-5	Solid	05/25/17 14:35	05/26/17 13:10	12
500-128769-13	TB-9 0-2.5	Solid	05/25/17 14:52	05/26/17 13:10	13
500-128769-14	TB-10 2.5-5	Solid	05/25/17 15:10	05/26/17 13:10	14
500-128769-15	TB-11 1-2.5	Solid	05/26/17 08:15	05/26/17 13:10	15
500-128769-16	TB-12 2.5-5	Solid	05/26/17 08:33	05/26/17 13:10	
500-128769-17	TB-12 15-17.5	Solid	05/26/17 09:00	05/26/17 13:10	
500-128769-18	TB-13 1-2.5	Solid	05/26/17 09:20	05/26/17 13:10	
500-128769-19	TB-14 5-7.5	Solid	05/26/17 10:10	05/26/17 13:10	
500-128769-20	TB-14 17.5-20	Solid	05/26/17 10:20	05/26/17 13:10	
500-128769-21	TB-15 10-12.5	Solid	05/26/17 10:45	05/26/17 13:10	
500-128769-22	TB-15 15-17.5	Solid	05/26/17 10:53	05/26/17 13:10	

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-1 22.5-25**

Date Collected: 05/25/17 09:47

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-1**

Matrix: Solid

Percent Solids: 85.4

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00047	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,1-Dichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Acetone	<0.014		0.014	0.0062	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Carbon disulfide	<0.0035		0.0035	0.00073	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☀	05/26/17 16:20	05/29/17 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/29/17 14:02	1
4-Bromofluorobenzene (Surr)	94		75 - 131	05/26/17 16:20	05/29/17 14:02	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 14:02	1
Toluene-d8 (Surr)	97		75 - 124	05/26/17 16:20	05/29/17 14:02	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-1 25-27.5**

Date Collected: 05/25/17 09:52

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-2**

Matrix: Solid

Percent Solids: 86.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Acetone	<0.016		0.016	0.0069	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/29/17 14:27	1
4-Bromofluorobenzene (Surr)	93		75 - 131	05/26/17 16:20	05/29/17 14:27	1
Dibromofluoromethane	91		75 - 126	05/26/17 16:20	05/29/17 14:27	1
Toluene-d8 (Surr)	91		75 - 124	05/26/17 16:20	05/29/17 14:27	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-2 22.5-25**

Date Collected: 05/25/17 10:34

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-3**

Matrix: Solid

Percent Solids: 88.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Acetone	<0.016		0.016	0.0070	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/29/17 14:51	1
4-Bromofluorobenzene (Surr)	95		75 - 131	05/26/17 16:20	05/29/17 14:51	1
Dibromofluoromethane	88		75 - 126	05/26/17 16:20	05/29/17 14:51	1
Toluene-d8 (Surr)	95		75 - 124	05/26/17 16:20	05/29/17 14:51	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-2 27.5-30**

**Date Collected: 05/25/17 10:40**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-4**

**Matrix: Solid**

**Percent Solids: 90.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,1-Dichloroethene	<0.0014		0.0014	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Acetone	<0.014		0.014	0.0063	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Benzene	<0.0014		0.0014	0.00037	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Carbon tetrachloride	<0.0014		0.0014	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Ethylbenzene	<0.0014		0.0014	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Styrene	<0.0014		0.0014	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Trichloroethene	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Vinyl chloride	<0.0014		0.0014	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	05/26/17 16:20	05/29/17 15:16	1
4-Bromofluorobenzene (Surr)	92		75 - 131	05/26/17 16:20	05/29/17 15:16	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 15:16	1
Toluene-d8 (Surr)	93		75 - 124	05/26/17 16:20	05/29/17 15:16	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-3 5-7.5**

Date Collected: 05/25/17 11:15

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-5**

Matrix: Solid

Percent Solids: 82.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00079	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,1-Dichloroethane	<0.0019		0.0019	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
<b>Acetone</b>	<b>0.033</b>		0.019	0.0081	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Chlorobenzene	<0.0019		0.0019	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Chloroform	<0.0019		0.0019	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
<b>Methyl Ethyl Ketone</b>	<b>0.0046</b>		0.0046	0.0021	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	05/26/17 16:20	05/29/17 15:41	1
4-Bromofluorobenzene (Surr)	93		75 - 131	05/26/17 16:20	05/29/17 15:41	1
Dibromofluoromethane	88		75 - 126	05/26/17 16:20	05/29/17 15:41	1
Toluene-d8 (Surr)	98		75 - 124	05/26/17 16:20	05/29/17 15:41	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-3 10-12.5**

**Date Collected: 05/25/17 11:20**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-6**

**Matrix: Solid**

**Percent Solids: 82.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
<b>Acetone</b>	<b>0.024</b>		0.017	0.0075	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
<b>Methyl Ethyl Ketone</b>	<b>0.0033 J</b>		0.0043	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	05/26/17 16:20	05/29/17 16:06	1
4-Bromofluorobenzene (Surr)	94		75 - 131	05/26/17 16:20	05/29/17 16:06	1
Dibromofluoromethane	88		75 - 126	05/26/17 16:20	05/29/17 16:06	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 16:06	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-4 2.5-5**

Date Collected: 05/25/17 11:46

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-7**

Matrix: Solid

Percent Solids: 83.9

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
<b>Acetone</b>	<b>0.027</b>		0.017	0.0076	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
<b>Methyl Ethyl Ketone</b>	<b>0.0049</b>		0.0044	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	90			70 - 134			05/26/17 16:20	05/29/17 16:30	1
4-Bromofluorobenzene (Surr)	96			75 - 131			05/26/17 16:20	05/29/17 16:30	1
Dibromofluoromethane	90			75 - 126			05/26/17 16:20	05/29/17 16:30	1
Toluene-d8 (Surr)	93			75 - 124			05/26/17 16:20	05/29/17 16:30	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-4 7.5-10**

**Date Collected: 05/25/17 11:50**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-8**

**Matrix: Solid**

**Percent Solids: 82.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,1-Dichloroethene	<0.0021		0.0021	0.00072	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Acetone	<0.021		0.021	0.0091	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Chlorobenzene	<0.0021		0.0021	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Chloroethane	<0.0052		0.0052	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00092	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Vinyl chloride	<0.0021		0.0021	0.00092	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1
Xylenes, Total	<0.0042		0.0042	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	05/26/17 16:20	05/29/17 16:55	1
4-Bromofluorobenzene (Surr)	89		75 - 131	05/26/17 16:20	05/29/17 16:55	1
Dibromofluoromethane	90		75 - 126	05/26/17 16:20	05/29/17 16:55	1
Toluene-d8 (Surr)	94		75 - 124	05/26/17 16:20	05/29/17 16:55	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-5 5-7.5**

**Date Collected: 05/25/17 13:40**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-9**

**Matrix: Solid**

**Percent Solids: 81.7**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Acetone	<0.018		0.018	0.0078	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	05/26/17 16:20	05/29/17 17:20	1
4-Bromofluorobenzene (Surr)	92		75 - 131	05/26/17 16:20	05/29/17 17:20	1
Dibromofluoromethane	87		75 - 126	05/26/17 16:20	05/29/17 17:20	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 17:20	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-6 2.5-5**

**Date Collected: 05/25/17 14:10**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-10**

**Matrix: Solid**

**Percent Solids: 82.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,2-Dichloroethane	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Acetone	<0.020		0.020	0.0086	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	05/26/17 16:20	05/29/17 17:44	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 17:44	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 17:44	1
Toluene-d8 (Surr)	97		75 - 124	05/26/17 16:20	05/29/17 17:44	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-7 0-2.5**

**Date Collected: 05/25/17 14:20**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-11**

**Matrix: Solid**

**Percent Solids: 84.7**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Acetone	<0.016		0.016	0.0068	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	05/26/17 16:20	05/29/17 18:09	1
4-Bromofluorobenzene (Surr)	94		75 - 131	05/26/17 16:20	05/29/17 18:09	1
Dibromofluoromethane	90		75 - 126	05/26/17 16:20	05/29/17 18:09	1
Toluene-d8 (Surr)	94		75 - 124	05/26/17 16:20	05/29/17 18:09	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-8 2.5-5**

**Date Collected: 05/25/17 14:35**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-12**

**Matrix: Solid**

**Percent Solids: 82.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Acetone	<0.017		0.017	0.0075	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 134	05/26/17 16:20	05/29/17 18:33	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 18:33	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 18:33	1
Toluene-d8 (Surr)	92		75 - 124	05/26/17 16:20	05/29/17 18:33	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-9 0-2.5**

Date Collected: 05/25/17 14:52

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-13**

Matrix: Solid

Percent Solids: 82.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Acetone	<0.017		0.017	0.0076	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	05/26/17 16:20	05/29/17 18:58	1
4-Bromofluorobenzene (Surr)	93		75 - 131	05/26/17 16:20	05/29/17 18:58	1
Dibromofluoromethane	90		75 - 126	05/26/17 16:20	05/29/17 18:58	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 18:58	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-10 2.5-5**

Date Collected: 05/25/17 15:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-14**

Matrix: Solid

Percent Solids: 84.1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Acetone	<0.016		0.016	0.0068	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/29/17 19:23	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 19:23	1
Dibromofluoromethane	91		75 - 126	05/26/17 16:20	05/29/17 19:23	1
Toluene-d8 (Surr)	97		75 - 124	05/26/17 16:20	05/29/17 19:23	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-11 1-2.5**

Date Collected: 05/26/17 08:15

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-15**

Matrix: Solid

Percent Solids: 80.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00067	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00091	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,1-Dichloroethane	<0.0021		0.0021	0.00072	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,1-Dichloroethene	<0.0021		0.0021	0.00073	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,2-Dichloroethane	<0.0053		0.0053	0.0016	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,2-Dichloropropane	<0.0021		0.0021	0.00055	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00074	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
2-Hexanone	<0.0053		0.0053	0.0016	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
<b>Acetone</b>	<b>0.022</b>		0.021	0.0092	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Benzene	<0.0021		0.0021	0.00054	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Bromodichloromethane	<0.0021		0.0021	0.00043	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Bromoform	<0.0021		0.0021	0.00062	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Bromomethane	<0.0053		0.0053	0.0020	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Carbon disulfide	<0.0053		0.0053	0.0011	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Carbon tetrachloride	<0.0021		0.0021	0.00061	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Chlorobenzene	<0.0021		0.0021	0.00078	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Chloroethane	<0.0053		0.0053	0.0016	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Chloroform	<0.0021		0.0021	0.00073	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Chloromethane	<0.0053		0.0053	0.0021	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00059	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00064	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Dibromochloromethane	<0.0021		0.0021	0.00069	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
<b>Methyl Ethyl Ketone</b>	<b>0.0026 J</b>		0.0053	0.0023	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
methyl isobutyl ketone	<0.0053		0.0053	0.0016	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00062	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Methylene Chloride	<0.0053		0.0053	0.0021	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Styrene	<0.0021		0.0021	0.00064	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Tetrachloroethene	<0.0021		0.0021	0.00072	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00093	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00074	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Trichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Vinyl chloride	<0.0021		0.0021	0.00093	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
Xylenes, Total	<0.0042		0.0042	0.00068	mg/Kg	☀	05/26/17 16:20	05/29/17 19:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	88			70 - 134			05/26/17 16:20	05/29/17 19:47	1
4-Bromofluorobenzene (Surr)	92			75 - 131			05/26/17 16:20	05/29/17 19:47	1
Dibromofluoromethane	92			75 - 126			05/26/17 16:20	05/29/17 19:47	1
Toluene-d8 (Surr)	93			75 - 124			05/26/17 16:20	05/29/17 19:47	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-12 2.5-5**

Date Collected: 05/26/17 08:33

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-16**

Matrix: Solid

Percent Solids: 88.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,1-Dichloroethane	<0.0014		0.0014	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,1-Dichloroethene	<0.0014		0.0014	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,2-Dichloroethane	<0.0034		0.0034	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,2-Dichloropropane	<0.0014		0.0014	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
2-Hexanone	<0.0034		0.0034	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Acetone	<0.014		0.014	0.0059	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Benzene	<0.0014		0.0014	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Bromodichloromethane	<0.0014		0.0014	0.00028	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Bromoform	<0.0014		0.0014	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Bromomethane	<0.0034		0.0034	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Carbon disulfide	<0.0034		0.0034	0.00071	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Carbon tetrachloride	<0.0014		0.0014	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Chlorobenzene	<0.0014		0.0014	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Chloroethane	<0.0034		0.0034	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Chloroform	<0.0014		0.0014	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Chloromethane	<0.0034		0.0034	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00038	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Dibromochloromethane	<0.0014		0.0014	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Ethylbenzene	<0.0014		0.0014	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Methyl Ethyl Ketone	<0.0034		0.0034	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
methyl isobutyl ketone	<0.0034		0.0034	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Methylene Chloride	<0.0034		0.0034	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Styrene	<0.0014		0.0014	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Tetrachloroethene	<0.0014		0.0014	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Toluene	<0.0014		0.0014	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Trichloroethene	<0.0014		0.0014	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Vinyl chloride	<0.0014		0.0014	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1
Xylenes, Total	<0.0027		0.0027	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/29/17 20:12	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 20:12	1
Dibromofluoromethane	91		75 - 126	05/26/17 16:20	05/29/17 20:12	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 20:12	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-12 15-17.5**

Date Collected: 05/26/17 09:00

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-17**

Matrix: Solid

Percent Solids: 85.5

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0014		0.0014	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,1-Dichloroethane	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,1-Dichloroethene	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,2-Dichloropropane	<0.0014		0.0014	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Acetone	<0.014		0.014	0.0061	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Carbon disulfide	<0.0035		0.0035	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Ethylbenzene	<0.0014		0.0014	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Vinyl chloride	<0.0014		0.0014	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 134	05/26/17 16:20	05/29/17 20:37	1
4-Bromofluorobenzene (Surr)	94		75 - 131	05/26/17 16:20	05/29/17 20:37	1
Dibromofluoromethane	90		75 - 126	05/26/17 16:20	05/29/17 20:37	1
Toluene-d8 (Surr)	95		75 - 124	05/26/17 16:20	05/29/17 20:37	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-13 1-2.5**

Date Collected: 05/26/17 09:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-18**

Matrix: Solid

Percent Solids: 79.1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Acetone	<0.018		0.018	0.0078	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 134	05/26/17 16:20	05/29/17 21:01	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 21:01	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 21:01	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 21:01	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-14 5-7.5**

Date Collected: 05/26/17 10:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-19**

Matrix: Solid

Percent Solids: 80.5

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Acetone	<0.020		0.020	0.0087	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	05/26/17 16:20	05/29/17 21:26	1
4-Bromofluorobenzene (Surr)	91		75 - 131	05/26/17 16:20	05/29/17 21:26	1
Dibromofluoromethane	91		75 - 126	05/26/17 16:20	05/29/17 21:26	1
Toluene-d8 (Surr)	96		75 - 124	05/26/17 16:20	05/29/17 21:26	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-14 17.5-20**

**Date Collected: 05/26/17 10:20**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128769-20**

**Matrix: Solid**

**Percent Solids: 88.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0013		0.0013	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,1,2,2-Tetrachloroethane	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,1,2-Trichloroethane	<0.0013		0.0013	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,1-Dichloroethane	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,1-Dichloroethene	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,2-Dichloroethane	<0.0033		0.0033	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,2-Dichloropropane	<0.0013		0.0013	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
1,3-Dichloropropene, Total	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
2-Hexanone	<0.0033		0.0033	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Acetone	<0.013		0.013	0.0058	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Benzene	<0.0013		0.0013	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Bromodichloromethane	<0.0013		0.0013	0.00027	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Bromoform	<0.0013		0.0013	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Bromomethane	<0.0033		0.0033	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Carbon disulfide	<0.0033		0.0033	0.00069	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Carbon tetrachloride	<0.0013		0.0013	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Chlorobenzene	<0.0013		0.0013	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Chloroethane	<0.0033		0.0033	0.00099	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Chloroform	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Chloromethane	<0.0033		0.0033	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
cis-1,2-Dichloroethene	<0.0013		0.0013	0.00037	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
cis-1,3-Dichloropropene	<0.0013		0.0013	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Dibromochloromethane	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Ethylbenzene	<0.0013		0.0013	0.00064	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Methyl Ethyl Ketone	<0.0033		0.0033	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
methyl isobutyl ketone	<0.0033		0.0033	0.00099	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Methyl tert-butyl ether	<0.0013		0.0013	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Methylene Chloride	<0.0033		0.0033	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Styrene	<0.0013		0.0013	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Tetrachloroethene	<0.0013		0.0013	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Toluene	<0.0013		0.0013	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
trans-1,2-Dichloroethene	<0.0013		0.0013	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
trans-1,3-Dichloropropene	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Trichloroethene	<0.0013		0.0013	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Vinyl chloride	<0.0013		0.0013	0.00059	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1
Xylenes, Total	<0.0027		0.0027	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	05/26/17 16:20	05/29/17 21:51	1
4-Bromofluorobenzene (Surr)	97		75 - 131	05/26/17 16:20	05/29/17 21:51	1
Dibromofluoromethane	92		75 - 126	05/26/17 16:20	05/29/17 21:51	1
Toluene-d8 (Surr)	97		75 - 124	05/26/17 16:20	05/29/17 21:51	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-15 10-12.5**

Date Collected: 05/26/17 10:45

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-21**

Matrix: Solid

Percent Solids: 89.2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Acetone	<0.016		0.016	0.0071	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	05/26/17 16:20	05/29/17 22:15	1
4-Bromofluorobenzene (Surr)	92		75 - 131	05/26/17 16:20	05/29/17 22:15	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/29/17 22:15	1
Toluene-d8 (Surr)	95		75 - 124	05/26/17 16:20	05/29/17 22:15	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-15 15-17.5**

Date Collected: 05/26/17 10:53

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-22**

Matrix: Solid

Percent Solids: 89.9

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0013		0.0013	0.00045	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,1,2,2-Tetrachloroethane	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,1,2-Trichloroethane	<0.0013		0.0013	0.00058	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,1-Dichloroethane	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,1-Dichloroethene	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,2-Dichloroethane	<0.0034		0.0034	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,2-Dichloropropane	<0.0013		0.0013	0.00035	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
1,3-Dichloropropene, Total	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
2-Hexanone	<0.0034		0.0034	0.0011	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Acetone	<0.013		0.013	0.0059	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Benzene	<0.0013		0.0013	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Bromodichloromethane	<0.0013		0.0013	0.00027	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Bromoform	<0.0013		0.0013	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Bromomethane	<0.0034		0.0034	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Carbon disulfide	<0.0034		0.0034	0.00070	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Carbon tetrachloride	<0.0013		0.0013	0.00039	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Chlorobenzene	<0.0013		0.0013	0.00050	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Chloroethane	<0.0034		0.0034	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Chloroform	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Chloromethane	<0.0034		0.0034	0.0014	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
cis-1,2-Dichloroethene	<0.0013		0.0013	0.00038	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
cis-1,3-Dichloropropene	<0.0013		0.0013	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Dibromochloromethane	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Ethylbenzene	<0.0013		0.0013	0.00065	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Methyl Ethyl Ketone	<0.0034		0.0034	0.0015	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
methyl isobutyl ketone	<0.0034		0.0034	0.0010	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Methyl tert-butyl ether	<0.0013		0.0013	0.00040	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Methylene Chloride	<0.0034		0.0034	0.0013	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Styrene	<0.0013		0.0013	0.00041	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Tetrachloroethene	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Toluene	<0.0013		0.0013	0.00034	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
trans-1,2-Dichloroethene	<0.0013		0.0013	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
trans-1,3-Dichloropropene	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Trichloroethene	<0.0013		0.0013	0.00046	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Vinyl chloride	<0.0013		0.0013	0.00060	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1
Xylenes, Total	<0.0027		0.0027	0.00043	mg/Kg	⊗	05/26/17 16:20	05/29/17 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	05/26/17 16:20	05/29/17 22:40	1
4-Bromofluorobenzene (Surr)	99		75 - 131	05/26/17 16:20	05/29/17 22:40	1
Dibromofluoromethane	91		75 - 126	05/26/17 16:20	05/29/17 22:40	1
Toluene-d8 (Surr)	98		75 - 124	05/26/17 16:20	05/29/17 22:40	1

TestAmerica Chicago

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

### Abbreviation **These commonly used abbreviations may or may not be present in this report.**

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## GC/MS VOA

### Prep Batch: 387242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	5035	1
500-128769-2	TB-1 25-27.5	Total/NA	Solid	5035	2
500-128769-3	TB-2 22.5-25	Total/NA	Solid	5035	3
500-128769-4	TB-2 27.5-30	Total/NA	Solid	5035	4
500-128769-5	TB-3 5-7.5	Total/NA	Solid	5035	5
500-128769-6	TB-3 10-12.5	Total/NA	Solid	5035	6
500-128769-7	TB-4 2.5-5	Total/NA	Solid	5035	7
500-128769-8	TB-4 7.5-10	Total/NA	Solid	5035	8
500-128769-9	TB-5 5-7.5	Total/NA	Solid	5035	9
500-128769-10	TB-6 2.5-5	Total/NA	Solid	5035	10
500-128769-11	TB-7 0-2.5	Total/NA	Solid	5035	11
500-128769-12	TB-8 2.5-5	Total/NA	Solid	5035	12
500-128769-13	TB-9 0-2.5	Total/NA	Solid	5035	13
500-128769-14	TB-10 2.5-5	Total/NA	Solid	5035	14
500-128769-15	TB-11 1-2.5	Total/NA	Solid	5035	15
500-128769-16	TB-12 2.5-5	Total/NA	Solid	5035	
500-128769-17	TB-12 15-17.5	Total/NA	Solid	5035	
500-128769-18	TB-13 1-2.5	Total/NA	Solid	5035	
500-128769-19	TB-14 5-7.5	Total/NA	Solid	5035	
500-128769-20	TB-14 17.5-20	Total/NA	Solid	5035	
500-128769-21	TB-15 10-12.5	Total/NA	Solid	5035	
500-128769-22	TB-15 15-17.5	Total/NA	Solid	5035	

### Analysis Batch: 387269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-1	TB-1 22.5-25	Total/NA	Solid	8260B	387242
500-128769-2	TB-1 25-27.5	Total/NA	Solid	8260B	387242
500-128769-3	TB-2 22.5-25	Total/NA	Solid	8260B	387242
500-128769-4	TB-2 27.5-30	Total/NA	Solid	8260B	387242
500-128769-5	TB-3 5-7.5	Total/NA	Solid	8260B	387242
500-128769-6	TB-3 10-12.5	Total/NA	Solid	8260B	387242
500-128769-7	TB-4 2.5-5	Total/NA	Solid	8260B	387242
500-128769-8	TB-4 7.5-10	Total/NA	Solid	8260B	387242
500-128769-9	TB-5 5-7.5	Total/NA	Solid	8260B	387242
500-128769-10	TB-6 2.5-5	Total/NA	Solid	8260B	387242
500-128769-11	TB-7 0-2.5	Total/NA	Solid	8260B	387242
500-128769-12	TB-8 2.5-5	Total/NA	Solid	8260B	387242
500-128769-13	TB-9 0-2.5	Total/NA	Solid	8260B	387242
500-128769-14	TB-10 2.5-5	Total/NA	Solid	8260B	387242
500-128769-15	TB-11 1-2.5	Total/NA	Solid	8260B	387242
500-128769-16	TB-12 2.5-5	Total/NA	Solid	8260B	387242
500-128769-17	TB-12 15-17.5	Total/NA	Solid	8260B	387242
500-128769-18	TB-13 1-2.5	Total/NA	Solid	8260B	387242
500-128769-19	TB-14 5-7.5	Total/NA	Solid	8260B	387242
500-128769-20	TB-14 17.5-20	Total/NA	Solid	8260B	387242
500-128769-21	TB-15 10-12.5	Total/NA	Solid	8260B	387242
500-128769-22	TB-15 15-17.5	Total/NA	Solid	8260B	387242
MB 500-387269/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-387269/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-387269/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

TestAmerica Chicago

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (70-134)	BFB (75-131)	DBFM (75-126)	TOL (75-124)
500-128769-1	TB-1 22.5-25	86	94	89	97
500-128769-2	TB-1 25-27.5	86	93	91	91
500-128769-3	TB-2 22.5-25	86	95	88	95
500-128769-4	TB-2 27.5-30	87	92	89	93
500-128769-5	TB-3 5-7.5	88	93	88	98
500-128769-6	TB-3 10-12.5	89	94	88	96
500-128769-7	TB-4 2.5-5	90	96	90	93
500-128769-8	TB-4 7.5-10	89	89	90	94
500-128769-9	TB-5 5-7.5	87	92	87	96
500-128769-10	TB-6 2.5-5	88	91	89	97
500-128769-11	TB-7 0-2.5	90	94	90	94
500-128769-12	TB-8 2.5-5	84	91	89	92
500-128769-13	TB-9 0-2.5	90	93	90	96
500-128769-14	TB-10 2.5-5	86	91	91	97
500-128769-15	TB-11 1-2.5	88	92	92	93
500-128769-16	TB-12 2.5-5	86	91	91	96
500-128769-17	TB-12 15-17.5	85	94	90	95
500-128769-18	TB-13 1-2.5	84	91	89	96
500-128769-19	TB-14 5-7.5	88	91	91	96
500-128769-20	TB-14 17.5-20	87	97	92	97
500-128769-21	TB-15 10-12.5	87	92	89	95
500-128769-22	TB-15 15-17.5	89	99	91	98
LCS 500-387269/4	Lab Control Sample	83	89	91	96
LCSD 500-387269/5	Lab Control Sample Dup	83	93	88	94
MB 500-387269/6	Method Blank	79	91	87	95

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-387269/6**

**Matrix: Solid**

**Analysis Batch: 387269**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg			05/29/17 13:37	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg			05/29/17 13:37	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg			05/29/17 13:37	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg			05/29/17 13:37	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg			05/29/17 13:37	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg			05/29/17 13:37	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			05/29/17 13:37	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg			05/29/17 13:37	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg			05/29/17 13:37	1
Acetone	<0.020		0.020	0.0087	mg/Kg			05/29/17 13:37	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg			05/29/17 13:37	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg			05/29/17 13:37	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg			05/29/17 13:37	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg			05/29/17 13:37	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg			05/29/17 13:37	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg			05/29/17 13:37	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg			05/29/17 13:37	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg			05/29/17 13:37	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg			05/29/17 13:37	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg			05/29/17 13:37	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg			05/29/17 13:37	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg			05/29/17 13:37	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg			05/29/17 13:37	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg			05/29/17 13:37	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg			05/29/17 13:37	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg			05/29/17 13:37	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg			05/29/17 13:37	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg			05/29/17 13:37	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg			05/29/17 13:37	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg			05/29/17 13:37	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg			05/29/17 13:37	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg			05/29/17 13:37	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg			05/29/17 13:37	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg			05/29/17 13:37	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg			05/29/17 13:37	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg			05/29/17 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		70 - 134		05/29/17 13:37	1
4-Bromofluorobenzene (Surr)	91		75 - 131		05/29/17 13:37	1
Dibromofluoromethane	87		75 - 126		05/29/17 13:37	1
Toluene-d8 (Surr)	95		75 - 124		05/29/17 13:37	1

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-387269/4**

**Matrix: Solid**

**Analysis Batch: 387269**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1-Trichloroethane	0.0500	0.0395		mg/Kg		79	70 - 128	
1,1,2,2-Tetrachloroethane	0.0500	0.0479		mg/Kg		96	70 - 122	
1,1,2-Trichloroethane	0.0500	0.0434		mg/Kg		87	70 - 125	
1,1-Dichloroethane	0.0500	0.0427		mg/Kg		85	70 - 125	
1,1-Dichloroethene	0.0500	0.0411		mg/Kg		82	70 - 120	
1,2-Dichloroethane	0.0500	0.0408		mg/Kg		82	70 - 130	
1,2-Dichloropropane	0.0500	0.0432		mg/Kg		86	70 - 125	
2-Hexanone	0.0500	0.0414		mg/Kg		83	48 - 146	
Acetone	0.0500	0.0425		mg/Kg		85	40 - 150	
Benzene	0.0500	0.0428		mg/Kg		86	70 - 125	
Bromodichloromethane	0.0500	0.0415		mg/Kg		83	67 - 129	
Bromoform	0.0500	0.0471		mg/Kg		94	68 - 136	
Bromomethane	0.0500	0.0387		mg/Kg		77	70 - 130	
Carbon disulfide	0.0500	0.0416		mg/Kg		83	70 - 129	
Carbon tetrachloride	0.0500	0.0389		mg/Kg		78	75 - 125	
Chlorobenzene	0.0500	0.0426		mg/Kg		85	50 - 150	
Chloroethane	0.0500	0.0462		mg/Kg		92	75 - 125	
Chloroform	0.0500	0.0409		mg/Kg		82	57 - 135	
Chloromethane	0.0500	0.0427		mg/Kg		85	70 - 125	
cis-1,2-Dichloroethene	0.0500	0.0426		mg/Kg		85	70 - 125	
cis-1,3-Dichloropropene	0.0500	0.0429		mg/Kg		86	70 - 125	
Dibromochloromethane	0.0500	0.0447		mg/Kg		89	69 - 125	
Ethylbenzene	0.0500	0.0421		mg/Kg		84	61 - 136	
Methyl Ethyl Ketone	0.0500	0.0394		mg/Kg		79	47 - 138	
methyl isobutyl ketone	0.0500	0.0410		mg/Kg		82	50 - 148	
Methyl tert-butyl ether	0.0500	0.0451		mg/Kg		90	50 - 140	
Methylene Chloride	0.0500	0.0421		mg/Kg		84	70 - 126	
Styrene	0.0500	0.0431		mg/Kg		86	70 - 125	
Tetrachloroethene	0.0500	0.0416		mg/Kg		83	70 - 124	
Toluene	0.0500	0.0429		mg/Kg		86	70 - 125	
trans-1,2-Dichloroethene	0.0500	0.0421		mg/Kg		84	70 - 125	
trans-1,3-Dichloropropene	0.0500	0.0408		mg/Kg		82	70 - 125	
Trichloroethene	0.0500	0.0431		mg/Kg		86	70 - 125	
Vinyl chloride	0.0500	0.0399		mg/Kg		80	70 - 125	
Xylenes, Total	0.100	0.0853		mg/Kg		85	53 - 147	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 134
4-Bromofluorobenzene (Surr)	89		75 - 131
Dibromofluoromethane	91		75 - 126
Toluene-d8 (Surr)	96		75 - 124

**Lab Sample ID: LCSD 500-387269/5**

**Matrix: Solid**

**Analysis Batch: 387269**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	%Rec.	RPD
1,1,1-Trichloroethane	0.0500	0.0376		mg/Kg		75	70 - 128	5
								30

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-387269/5

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 387269

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
1,1,2,2-Tetrachloroethane	0.0500	0.0458		mg/Kg	92	70 - 122	5	30	
1,1,2-Trichloroethane	0.0500	0.0437		mg/Kg	87	70 - 125	1	30	
1,1-Dichloroethane	0.0500	0.0407		mg/Kg	81	70 - 125	5	30	
1,1-Dichloroethene	0.0500	0.0383		mg/Kg	77	70 - 120	7	30	
1,2-Dichloroethane	0.0500	0.0392		mg/Kg	78	70 - 130	4	30	
1,2-Dichloropropane	0.0500	0.0435		mg/Kg	87	70 - 125	1	30	
2-Hexanone	0.0500	0.0419		mg/Kg	84	48 - 146	1	30	
Acetone	0.0500	0.0399		mg/Kg	80	40 - 150	6	30	
Benzene	0.0500	0.0417		mg/Kg	83	70 - 125	3	30	
Bromodichloromethane	0.0500	0.0409		mg/Kg	82	67 - 129	1	30	
Bromoform	0.0500	0.0462		mg/Kg	92	68 - 136	2	30	
Bromomethane	0.0500	0.0361		mg/Kg	72	70 - 130	7	30	
Carbon disulfide	0.0500	0.0386		mg/Kg	77	70 - 129	7	30	
Carbon tetrachloride	0.0500	0.0376		mg/Kg	75	75 - 125	4	30	
Chlorobenzene	0.0500	0.0429		mg/Kg	86	50 - 150	1	30	
Chloroethane	0.0500	0.0425		mg/Kg	85	75 - 125	8	30	
Chloroform	0.0500	0.0392		mg/Kg	78	57 - 135	4	30	
Chloromethane	0.0500	0.0392		mg/Kg	78	70 - 125	9	30	
cis-1,2-Dichloroethene	0.0500	0.0406		mg/Kg	81	70 - 125	5	30	
cis-1,3-Dichloropropene	0.0500	0.0428		mg/Kg	86	70 - 125	0	30	
Dibromochloromethane	0.0500	0.0442		mg/Kg	88	69 - 125	1	30	
Ethylbenzene	0.0500	0.0416		mg/Kg	83	61 - 136	1	30	
Methyl Ethyl Ketone	0.0500	0.0403		mg/Kg	81	47 - 138	2	30	
methyl isobutyl ketone	0.0500	0.0390		mg/Kg	78	50 - 148	5	30	
Methyl tert-butyl ether	0.0500	0.0416		mg/Kg	83	50 - 140	8	30	
Methylene Chloride	0.0500	0.0401		mg/Kg	80	70 - 126	5	30	
Styrene	0.0500	0.0433		mg/Kg	87	70 - 125	0	30	
Tetrachloroethene	0.0500	0.0402		mg/Kg	80	70 - 124	4	30	
Toluene	0.0500	0.0422		mg/Kg	84	70 - 125	2	30	
trans-1,2-Dichloroethene	0.0500	0.0393		mg/Kg	79	70 - 125	7	30	
trans-1,3-Dichloropropene	0.0500	0.0414		mg/Kg	83	70 - 125	2	30	
Trichloroethene	0.0500	0.0423		mg/Kg	85	70 - 125	2	30	
Vinyl chloride	0.0500	0.0370		mg/Kg	74	70 - 125	7	30	
Xylenes, Total	0.100	0.0836		mg/Kg	84	53 - 147	2	30	

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		70 - 134
4-Bromofluorobenzene (Surr)	93		75 - 131
Dibromofluoromethane	88		75 - 126
Toluene-d8 (Surr)	94		75 - 124

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

**Client Sample ID: TB-1 22.5-25**

Date Collected: 05/25/17 09:47

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-1**

Matrix: Solid

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 14:02	DJD	TAL CHI

**Client Sample ID: TB-1 25-27.5**

Date Collected: 05/25/17 09:52

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-2**

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 14:27	DJD	TAL CHI

**Client Sample ID: TB-2 22.5-25**

Date Collected: 05/25/17 10:34

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-3**

Matrix: Solid

Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 14:51	DJD	TAL CHI

**Client Sample ID: TB-2 27.5-30**

Date Collected: 05/25/17 10:40

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-4**

Matrix: Solid

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 15:16	DJD	TAL CHI

**Client Sample ID: TB-3 5-7.5**

Date Collected: 05/25/17 11:15

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-5**

Matrix: Solid

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 15:41	DJD	TAL CHI

**Client Sample ID: TB-3 10-12.5**

Date Collected: 05/25/17 11:20

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128769-6**

Matrix: Solid

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 16:06	DJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## **Client Sample ID: TB-4 2.5-5**

**Date Collected:** 05/25/17 11:46  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-7**

**Matrix:** Solid  
**Percent Solids:** 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 16:30	DJD	TAL CHI

## **Client Sample ID: TB-4 7.5-10**

**Date Collected:** 05/25/17 11:50  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-8**

**Matrix:** Solid  
**Percent Solids:** 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 16:55	DJD	TAL CHI

## **Client Sample ID: TB-5 5-7.5**

**Date Collected:** 05/25/17 13:40  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-9**

**Matrix:** Solid  
**Percent Solids:** 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 17:20	DJD	TAL CHI

## **Client Sample ID: TB-6 2.5-5**

**Date Collected:** 05/25/17 14:10  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-10**

**Matrix:** Solid  
**Percent Solids:** 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 17:44	DJD	TAL CHI

## **Client Sample ID: TB-7 0-2.5**

**Date Collected:** 05/25/17 14:20  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-11**

**Matrix:** Solid  
**Percent Solids:** 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 18:09	DJD	TAL CHI

## **Client Sample ID: TB-8 2.5-5**

**Date Collected:** 05/25/17 14:35  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-12**

**Matrix:** Solid  
**Percent Solids:** 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 18:33	DJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## **Client Sample ID: TB-9 0-2.5**

Date Collected: 05/25/17 14:52  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-13**

Matrix: Solid  
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 18:58	DJD	TAL CHI

## **Client Sample ID: TB-10 2.5-5**

Date Collected: 05/25/17 15:10  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-14**

Matrix: Solid  
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 19:23	DJD	TAL CHI

## **Client Sample ID: TB-11 1-2.5**

Date Collected: 05/26/17 08:15  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-15**

Matrix: Solid  
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 19:47	DJD	TAL CHI

## **Client Sample ID: TB-12 2.5-5**

Date Collected: 05/26/17 08:33  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-16**

Matrix: Solid  
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 20:12	DJD	TAL CHI

## **Client Sample ID: TB-12 15-17.5**

Date Collected: 05/26/17 09:00  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-17**

Matrix: Solid  
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 20:37	DJD	TAL CHI

## **Client Sample ID: TB-13 1-2.5**

Date Collected: 05/26/17 09:20  
Date Received: 05/26/17 13:10

## **Lab Sample ID: 500-128769-18**

Matrix: Solid  
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 21:01	DJD	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## **Client Sample ID: TB-14 5-7.5**

**Date Collected:** 05/26/17 10:10  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-19**

**Matrix:** Solid  
**Percent Solids:** 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 21:26	DJD	TAL CHI

## **Client Sample ID: TB-14 17.5-20**

**Date Collected:** 05/26/17 10:20  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-20**

**Matrix:** Solid  
**Percent Solids:** 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 21:51	DJD	TAL CHI

## **Client Sample ID: TB-15 10-12.5**

**Date Collected:** 05/26/17 10:45  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-21**

**Matrix:** Solid  
**Percent Solids:** 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 22:15	DJD	TAL CHI

## **Client Sample ID: TB-15 15-17.5**

**Date Collected:** 05/26/17 10:53  
**Date Received:** 05/26/17 13:10

## **Lab Sample ID: 500-128769-22**

**Matrix:** Solid  
**Percent Solids:** 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387242	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387269	05/29/17 22:40	DJD	TAL CHI

### Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-2

## Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18
The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:				
Analysis Method 8260B	Prep Method 5035	Matrix Solid	Analyte 1,3-Dichloropropene, Total	

## TestAmerica Chicago

2417 Bond Street  
University Park, IL 60484  
Phone (708) 534-5200 Fax (708) 534-5211

## Chain of Custody Record



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

<b>Client Information</b>		Sampler: <u>Tyler Gomoll</u>		Lab PM: Knapp, Jim D		COC No: 500-128769 COC			
Client Contact: Tyler Gomoll		Phone: <u>847-871-3006</u>		E-Mail: <u>jim.knapp@testamericainc.com</u>		Page: Page 1 of 4			
Company: TRC Environmental Corporation		Analysis Requested							
Address: 230 West Monroe Suite 2300		Due Date Requested:							
City: Chicago		TAT Requested (days): <u>Standard</u>							
State, Zip: IL, 60606									
Phone: 773-368-6141(Tel)		PO #: 108187							
Email: TGomoll@trcsolutions.com		WO #:							
Project Name: DG - Downers Grove, IL		Project #: 50013397							
Site:		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Total Number of containers	Preservation Codes:	
								A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
								Other:	
								Special Instructions/Note:	
1	TB-1 22.5-25	<u>5/25/17</u>	<u>0947</u>	<u>G</u>	Solid	X	N	<u>Replay 5/26/17</u>	
2	TB-1 25-27.5		<u>0952</u>		Solid	X	N		
3	TB-2 22.5-25		<u>1034</u>		Solid	X	N		
4	TB-2 27.5-30		<u>1040</u>		Solid	X	N		
5	TB-3 5-7.5		<u>1115</u>		Solid	X	N		
6	TB-3 10-12.5		<u>1120</u>		Solid	X	N		
7	TB-4 2.5-5		<u>1146</u>		Solid	X	N		
8	TB-4 7.5-10		<u>1150</u>		Solid	X	N		
9	TB-5 5-7.5		<u>1340</u>		Solid	X	N		
10	TB-6 2.5-5		<u>1410</u>		Solid	X	N		
11	TB-7 0-2.5	<u>-</u>	<u>1420</u>	<u>-</u>	Solid	X	N		
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months			
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <u>Tyler Gomoll</u>		Date/Time: <u>5/26/17 1215</u>		Company: <u>TRC</u>		Received by: <u>JK</u>			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>5/26/17 1310</u>		Company: <u>TA</u>		Received by: <u>JK</u>			
Relinquished by:		Date/Time:		Company:		Received by:			
Custody Seals Intact:		Custody Seal No.:		Colder Temperature(s) °C and Other Remarks: <u>5.9, 5.3, 4.1, 3.3</u>					
<input type="checkbox"/> Yes <input type="checkbox"/> No									

## Chain of Custody Record

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>	Lab PM: Knapp, Jim D	Carrier Tracking No(s):	COC No: 500-53734-26438.2				
Client Contact: Tyler Gomoll		Phone:	E-Mail: jim.knapp@testamericainc.com		Page: Page 2 of 4				
Company: TRC Environmental Corporation					Job #: 500-128769				
Address: 230 West Monroe Suite 2300	Due Date Requested:			Analysis Requested			Preservation Codes:		
City: Chicago	TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		
State, Zip: IL, 60606									
Phone: 773-368-6141(Tel)	PO #: 108187								
Email: TGomoll@trcsolutions.com	WO #:								
Project Name: DG - Downers Grove, IL	Project #: 50013397								
Site:	SSOW#:								
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil, A=air)	Field Filtered Sample (Yes or No)	Total Number of containers	Special Instructions/Note:	
12 TB-8 2.5-5	<i>5/25/17</i>	1435	G	Solid	X	N N N			
13 TB-9 0-2.5		1452	G	Solid	X				
14 TB-10 2.5-5		1510		Solid	X				
15 TB-11 1-2.5	<i>5/26/17</i>	0815		Solid	X				
16 TB-12 2.5-5		0833		Solid	X				
17 TB-12 15-17.5		0900		Solid	X				
18 TB-13 1-2.5		0920		Solid	X				
19 TB-14 5-7.5		1010		Solid	X				
20 TB-14 17.5-20		1020		Solid	X				
21 TB-15 10-12.5		1045		Solid	X				
22 TB-15 15-17.5		1053		Solid	X				
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:				
Relinquished by: <i>Tyler Gomoll</i>		Date/Time: <i>5/26/17 1215</i>	Company: <i>TRC</i>		Received by: <i>K</i>		Date/Time: <i>5/26/17 1215</i>	Company: <i>TA</i>	
Relinquished by: <i>A</i>		Date/Time: <i>5/26/17 1310</i>	Company: <i>TRC</i>		Received by: <i>S 10</i>		Date/Time: <i>05/26/17 1310</i>	Company: <i>TA</i>	
Relinquished by:		Date/Time:	Company:		Received by:		Date/Time:	Company:	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<i>5, 9, 5.3, 4.1, 3.3</i>					

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-128769-2

**Login Number:** 128769

**List Source:** TestAmerica Chicago

**List Number:** 1

**Creator:** Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(5.9)(5.3)(4.1)(3.3)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-128769-3

Client Project/Site: DG - Downers Grove, IL

For:

TRC Environmental Corporation

230 West Monroe

Suite 2300

Chicago, Illinois 60606

Attn: Michael Butler



Authorized for release by:

6/16/2017 12:11:53 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

### LINKS

Review your project  
results through

TotalAccess

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Detection Summary .....	4
Method Summary .....	5
Sample Summary .....	6
Client Sample Results .....	7
Definitions .....	8
QC Association .....	9
QC Sample Results .....	10
Chronicle .....	11
Certification Summary .....	12
Chain of Custody .....	13
Receipt Checklists .....	15

# Case Narrative

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

**Job ID: 500-128769-3**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative  
500-128769-3**

## Comments

No additional comments.

## Receipt

The samples were received on 5/26/2017 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.3° C, 4.1° C, 5.3° C and 5.9° C.

## Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

**Client Sample ID: TB-7 0-2.5**

**Lab Sample ID: 500-128769-11**

No Detections.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Sample Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128769-11	TB-7 0-2.5	Solid	05/25/17 14:20	05/26/17 13:10

1

2

3

4

5

6

7

8

9

10

11

12

13

14

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

**Client Sample ID: TB-7 0-2.5**

**Lab Sample ID: 500-128769-11**

Date Collected: 05/25/17 14:20

Matrix: Solid

Date Received: 05/26/17 13:10

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/15/17 10:43	06/16/17 01:37	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

TestAmerica Chicago

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Listed under the "D" column to designate that the result is reported on a dry weight basis
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

## Metals

### Leach Batch: 389439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-11	TB-7 0-2.5	SPLP East	Solid	1312	
LB 500-389439/1-B	Method Blank	SPLP East	Solid	1312	
500-128769-11 MS	TB-7 0-2.5	SPLP East	Solid	1312	
500-128769-11 DU	TB-7 0-2.5	SPLP East	Solid	1312	

### Prep Batch: 389591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-11	TB-7 0-2.5	SPLP East	Solid	3010A	389439
LB 500-389439/1-B	Method Blank	SPLP East	Solid	3010A	389439
LCS 500-389591/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-128769-11 MS	TB-7 0-2.5	SPLP East	Solid	3010A	389439
500-128769-11 DU	TB-7 0-2.5	SPLP East	Solid	3010A	389439

### Analysis Batch: 389713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128769-11	TB-7 0-2.5	SPLP East	Solid	6010B	389591
LB 500-389439/1-B	Method Blank	SPLP East	Solid	6010B	389591
LCS 500-389591/2-A	Lab Control Sample	Total/NA	Solid	6010B	389591
500-128769-11 MS	TB-7 0-2.5	SPLP East	Solid	6010B	389591
500-128769-11 DU	TB-7 0-2.5	SPLP East	Solid	6010B	389591

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

## Method: 6010B - Metals (ICP)

**Lab Sample ID: LCS 500-389591/2-A**

**Matrix: Solid**

**Analysis Batch: 389713**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 389591**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.106		mg/L	106		80 - 120

**Lab Sample ID: LB 500-389439/1-B**

**Matrix: Solid**

**Analysis Batch: 389713**

**Client Sample ID: Method Blank**

**Prep Type: SPLP East**

**Prep Batch: 389591**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/15/17 10:43	06/16/17 00:29	1

**Lab Sample ID: 500-128769-11 MS**

**Matrix: Solid**

**Analysis Batch: 389713**

**Client Sample ID: TB-7 0-2.5**

**Prep Type: SPLP East**

**Prep Batch: 389591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	<0.050		0.100	0.112		mg/L	112		50 - 150

**Lab Sample ID: 500-128769-11 DU**

**Matrix: Solid**

**Analysis Batch: 389713**

**Client Sample ID: TB-7 0-2.5**

**Prep Type: SPLP East**

**Prep Batch: 389591**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	<0.050			0.0105	J	mg/L		NC	20

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

**Client Sample ID: TB-7 0-2.5**

**Lab Sample ID: 500-128769-11**

**Date Collected: 05/25/17 14:20**

**Matrix: Solid**

**Date Received: 05/26/17 13:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			389439	06/14/17 12:22	RMP	TAL CHI
SPLP East	Prep	3010A			389591	06/15/17 10:43	JEF	TAL CHI
SPLP East	Analysis	6010B		1	389713	06/16/17 01:37	PJ1	TAL CHI

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128769-3

## Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18
Analysis Method	Prep Method	Matrix	Analyte	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Chain of Custody Record

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		COC No: 500-53734-26438.3		
Client Contact: Tyler Gomoll		Phone:		E-Mail: jim.knapp@testamericainc.com				Page: Page 3 of 4		
Company: TRC Environmental Corporation								Job #: <i>500-128769</i>		
Address: 230 West Monroe Suite 2300		Analysis Requested						Preservation Codes:		
City: Chicago								A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		
State, Zip: IL, 60606										
Phone: 773-368-6141(Tel)		PO #: 108187								
Email: TGMoll@trcsolutions.com		WO #:								
Project Name: DG - Downers Grove, IL		Project #: 50013397								
Site: SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil)	Field Filtered Sample (Yes or No)	Performance Sample (Yes or No)	Total Number of containers	Special Instructions/Note:	
1	TB-1 22.5 - 25	<i>5/25/17</i>	0947	G	Solid	X	N			
2	TB-1 25 - 27.5		0952		Solid	X	N			
3	TB-2 22.5 - 25		1034		Solid	X	N			
4	TB-2 27.5 - 30		1040		Solid	X	N			
5	TB-3 5 - 7.5		1115		Solid	X	N			
6	TB-3 10 - 12.5		1120		Solid	X	N			
7	TB-4 2.5 - 5		1146		Solid	X	N			
8	TB-4 7.5 - 10		1150		Solid	X	N			
9	TB-5 5 - 7.5		1340		Solid	X	N			
10	TB-6 2.5 - 5		1410		Solid	X	N			
11	TB-7 0 - 2.5		1420		Solid	X	N			
Possible Hazard Identification										
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Deliverable Requested: I, II, III, IV, Other (specify)										
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
<i>Tyler Gomoll</i>		Date/Time: <i>5/26/17 1215</i>		Company: <i>TRC</i>		Received by: <i>[Signature]</i>		Date/Time: <i>5/26/17 1215</i>		Company: <i>TA</i>
<i>[Signature]</i>		Date/Time: <i>5/26/17 1310</i>		Company: <i>TA</i>		Received by: <i>[Signature]</i>		Date/Time: <i>05/26/17 1310</i>		Company: <i>TA</i>
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:				
						<i>5.9, 5.3, 4.1, 3.3</i>				

## Chain of Custody Record

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>		Lab PM: Knapp, Jim D		Carrier Tracking No(s):		COC No: 500-53734-26438.4		
Client Contact: Tyler Gomoll		Phone: <i>708-534-5200</i>		E-Mail: jimm.knapp@testamericainc.com						Page: Page 4 of 4
Company: TRC Environmental Corporation								Job #: <i>500-128769</i>		
Address: 230 West Monroe Suite 2300		Due Date Requested:						Preservation Codes:		
City: Chicago		TAT Requested (days):		<i>Standard</i>				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: IL, 60606								Other:		
Phone: 773-368-6141(Tel)		PO #: 108187								
Email: TGMoll@trcsolutions.com		WO #:								
Project Name: DG - Downers Grove, IL		Project #: 50013397								
Site:		SSOW#:								
		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=waste/oil,	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8260B - VOCs 6010B, 7471B, 8082A, 8270D, 9045D	8260B - TCLP VOC 6010B, 7470A, 8270D, 9045D	Total Number of containers:	
									Special Instructions/Note:	
<b>Sample Identification</b>										
12	TB-8 2.5-S	<i>5/25/17</i>	<i>1435</i>	<i>G</i>	Solid	<input checked="" type="checkbox"/>	N N N			
13	TB-9 0-2.5	<i>1</i>	<i>1452</i>		Solid	<input checked="" type="checkbox"/>				
14	TB-10 2.5-S		<i>1510</i>		Solid	<input checked="" type="checkbox"/>				
15	TB-11 1-2.5	<i>5/26/17</i>	<i>0815</i>			<input checked="" type="checkbox"/>				
16	TB-12 2.5-S		<i>0833</i>			<input checked="" type="checkbox"/>				
17	TB-12 15-17.5		<i>0900</i>			<input checked="" type="checkbox"/>				
18	TB-13 1-2.5		<i>0920</i>			<input checked="" type="checkbox"/>				
19	TB-14 5-7.5		<i>1010</i>			<input checked="" type="checkbox"/>				
20	TB-14 17.5-20		<i>1020</i>			<input checked="" type="checkbox"/>				
21	TB-15 10-12.5		<i>1045</i>			<input checked="" type="checkbox"/>				
22	TB-15 15-17.5		<i>1053</i>			<input checked="" type="checkbox"/>				
<b>Possible Hazard Identification</b>						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months				
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:				
Empty Kit Relinquished by:			Date:	Time:		Method of Shipment:				
<i>Tyler Gomoll</i>			<i>5/26/17 1215</i>	<i>TRC</i>		<i>[Signature]</i>		<i>5/26/17 1215</i>	<i>TA</i>	
<i>[Signature]</i>			<i>5/26/17 1310</i>	<i>TA</i>		<i>[Signature]</i>		<i>05/26/17 1310</i>	<i>TA</i>	
Relinquished by:			Date/Time:	Company		Received by:		Date/Time:	Company	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <i>155, 9, 3, 3, 4, 1, 3, 3</i>								
Cooler Temperature(s) °C and Other Remarks:										
Page 14 of 15 5, 9, 3, 3, 4, 1, 3, 3										

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-128769-3

**Login Number:** 128769

**List Source:** TestAmerica Chicago

**List Number:** 1

**Creator:** Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(5.9)(5.3)(4.1)(3.3)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-128779-1

Client Project/Site: DG - Downers Grove, IL

For:

TRC Environmental Corporation

230 West Monroe

Suite 2300

Chicago, Illinois 60606

Attn: Michael Butler

Authorized for release by:

6/12/2017 1:50:40 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

### LINKS

Review your project  
results through

TotalAccess

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Detection Summary .....	4
Method Summary .....	6
Sample Summary .....	7
Client Sample Results .....	8
Definitions .....	16
QC Association .....	17
Surrogate Summary .....	20
QC Sample Results .....	21
Chronicle .....	27
Certification Summary .....	30
Chain of Custody .....	31
Receipt Checklists .....	32

# Case Narrative

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Job ID: 500-128779-1**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative  
500-128779-1**

## Comments

No additional comments.

## Receipt

The samples were received on 5/26/2017 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.3° C, 4.1° C, 5.3° C and 5.9° C.

## GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Client Sample ID: EP-1 2.5-5

## Lab Sample ID: 500-128779-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0095	J	0.039	0.0065	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]anthracene	0.024	J	0.039	0.0053	mg/Kg	1	⊗	8270D	Total/NA
Benzo[a]pyrene	0.025	J	0.039	0.0076	mg/Kg	1	⊗	8270D	Total/NA
Benzo[b]fluoranthene	0.038	J	0.039	0.0085	mg/Kg	1	⊗	8270D	Total/NA
Benzo[g,h,i]perylene	0.018	J F1	0.039	0.013	mg/Kg	1	⊗	8270D	Total/NA
Benzo[k]fluoranthene	0.013	J	0.039	0.012	mg/Kg	1	⊗	8270D	Total/NA
Chrysene	0.030	J	0.039	0.011	mg/Kg	1	⊗	8270D	Total/NA
Fluoranthene	0.055		0.039	0.0073	mg/Kg	1	⊗	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.017	J F1	0.039	0.010	mg/Kg	1	⊗	8270D	Total/NA
Phenanthrene	0.049		0.039	0.0055	mg/Kg	1	⊗	8270D	Total/NA
Pyrene	0.067		0.039	0.0078	mg/Kg	1	⊗	8270D	Total/NA
Arsenic	12		1.1	0.39	mg/Kg	1	⊗	6010B	Total/NA
Barium	86		1.1	0.13	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.20	J B	0.23	0.041	mg/Kg	1	⊗	6010B	Total/NA
Chromium	19	B	1.1	0.56	mg/Kg	1	⊗	6010B	Total/NA
Lead	30		0.57	0.26	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.9		1.1	0.66	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.12		0.020	0.0067	mg/Kg	1	⊗	7471B	Total/NA
pH	7.3		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: EP-1 12.5-15

## Lab Sample ID: 500-128779-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		1.1	0.37	mg/Kg	1	⊗	6010B	Total/NA
Barium	21		1.1	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.20	J B	0.22	0.039	mg/Kg	1	⊗	6010B	Total/NA
Chromium	9.4	B	1.1	0.54	mg/Kg	1	⊗	6010B	Total/NA
Lead	14		0.55	0.25	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.022		0.018	0.0059	mg/Kg	1	⊗	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: EP-2 2.4

## Lab Sample ID: 500-128779-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		1.1	0.36	mg/Kg	1	⊗	6010B	Total/NA
Barium	50		1.1	0.12	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.17	J B	0.21	0.038	mg/Kg	1	⊗	6010B	Total/NA
Chromium	14	B	1.1	0.53	mg/Kg	1	⊗	6010B	Total/NA
Lead	21		0.53	0.25	mg/Kg	1	⊗	6010B	Total/NA
Selenium	1.4		1.1	0.63	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.057		0.018	0.0059	mg/Kg	1	⊗	7471B	Total/NA
pH	7.3		0.2	0.2	SU	1		9045D	Total/NA

## Client Sample ID: EP-2 12.5-15

## Lab Sample ID: 500-128779-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12		0.77	0.26	mg/Kg	1	⊗	6010B	Total/NA
Barium	19		0.77	0.088	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.29	B	0.15	0.028	mg/Kg	1	⊗	6010B	Total/NA
Chromium	6.8	B	0.77	0.38	mg/Kg	1	⊗	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

### Client Sample ID: EP-2 12.5-15 (Continued)

### Lab Sample ID: 500-128779-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		0.38	0.18	mg/Kg	1	⊗	6010B	Total/NA
Mercury	0.015	J	0.016	0.0055	mg/Kg	1	⊗	7471B	Total/NA
pH	8.1		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
7196A	Chromium, Hexavalent	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

## Sample Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128779-1	EP-1 2.5-5	Solid	05/25/17 15:37	05/26/17 13:10
500-128779-2	EP-1 12.5-15	Solid	05/25/17 15:42	05/26/17 13:10
500-128779-3	EP-2 2-4	Solid	05/25/17 16:10	05/26/17 13:10
500-128779-4	EP-2 12.5-15	Solid	05/25/17 16:22	05/26/17 13:10

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Client Sample ID: EP-1 2.5-5

Date Collected: 05/25/17 15:37

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-1

Matrix: Solid

Percent Solids: 82.4

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Anthracene</b>	<b>0.0095</b>	<b>J</b>	0.039	0.0065	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Benzo[a]anthracene</b>	<b>0.024</b>	<b>J</b>	0.039	0.0053	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Benzo[a]pyrene</b>	<b>0.025</b>	<b>J</b>	0.039	0.0076	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Benzo[b]fluoranthene</b>	<b>0.038</b>	<b>J</b>	0.039	0.0085	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J F1</b>	0.039	0.013	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Benzo[k]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.039	0.012	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.039	0.011	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
Dibenz(a,h)anthracene	<0.039	F1	0.039	0.0076	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Fluoranthene</b>	<b>0.055</b>		0.039	0.0073	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.017</b>	<b>J F1</b>	0.039	0.010	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Phenanthrene</b>	<b>0.049</b>		0.039	0.0055	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Pyrene</b>	<b>0.067</b>		0.039	0.0078	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:07	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	82			41 - 120			06/06/17 07:15	06/07/17 18:07	1
2-Fluorobiphenyl (Surr)	77			44 - 121			06/06/17 07:15	06/07/17 18:07	1
Terphenyl-d14 (Surr)	117			35 - 160			06/06/17 07:15	06/07/17 18:07	1

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0069	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1221	<0.020		0.020	0.0086	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1232	<0.020		0.020	0.0085	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1242	<0.020		0.020	0.0064	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1248	<0.020		0.020	0.0077	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1254	<0.020		0.020	0.0042	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
PCB-1260	<0.020		0.020	0.0096	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	84			49 - 129			06/02/17 15:40	06/05/17 19:20	1
DCB Decachlorobiphenyl	87			37 - 121			06/02/17 15:40	06/05/17 19:20	1

### Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>12</b>		1.1	0.39	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
<b>Barium</b>	<b>86</b>		1.1	0.13	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
<b>Cadmium</b>	<b>0.20</b>	<b>J B</b>	0.23	0.041	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
<b>Chromium</b>	<b>19</b>	<b>B</b>	1.1	0.56	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
<b>Lead</b>	<b>30</b>		0.57	0.26	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
<b>Selenium</b>	<b>1.9</b>		1.1	0.66	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1
Silver	<0.57		0.57	0.15	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:40	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.12</b>		0.020	0.0067	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:20	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-1 2.5-5**

**Lab Sample ID: 500-128779-1**

Date Collected: 05/25/17 15:37

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 82.4

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<1.2		1.2	0.46	mg/Kg	⌚	06/01/17 10:00	06/01/17 13:55	1
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	⌚	06/07/17 10:00	06/07/17 15:58	1
pH	7.3		0.2	0.2	SU			06/07/17 13:10	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-1 12.5-15**

Date Collected: 05/25/17 15:42

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-2**

Matrix: Solid

Percent Solids: 86.7

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Chrysene	<0.038		0.038	0.010	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	⊗	06/06/17 07:15	06/07/17 18:34	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)		77		41 - 120		06/06/17 07:15		06/07/17 18:34	1
2-Fluorobiphenyl (Surr)		72		44 - 121		06/06/17 07:15		06/07/17 18:34	1
Terphenyl-d14 (Surr)		92		35 - 160		06/06/17 07:15		06/07/17 18:34	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.019	0.0066	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1221	<0.019		0.019	0.0082	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1232	<0.019		0.019	0.0081	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1242	<0.019		0.019	0.0061	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1248	<0.019		0.019	0.0073	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1254	<0.019		0.019	0.0040	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
PCB-1260	<0.019		0.019	0.0092	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:35	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene		72		49 - 129		06/02/17 15:40		06/05/17 19:35	1
DCB Decachlorobiphenyl		83		37 - 121		06/02/17 15:40		06/05/17 19:35	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		1.1	0.37	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Barium	21		1.1	0.12	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Cadmium	0.20	J B	0.22	0.039	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Chromium	9.4	B	1.1	0.54	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Lead	14		0.55	0.25	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Selenium	<1.1		1.1	0.64	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1
Silver	<0.55		0.55	0.14	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:44	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0059	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:22	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-1 12.5-15**  
**Date Collected: 05/25/17 15:42**  
**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-2**  
**Matrix: Solid**  
**Percent Solids: 86.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<1.0		1.0	0.41	mg/Kg	⌚	06/01/17 10:00	06/01/17 13:55	1
Cyanide, Total	<0.49		0.49	0.17	mg/Kg	⌚	06/07/17 10:00	06/07/17 15:59	1
pH	8.2		0.2	0.2	SU			06/07/17 13:21	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-2 2-4**

Date Collected: 05/25/17 16:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-3**

Matrix: Solid

Percent Solids: 81.6

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Chrysene	<0.040		0.040	0.011	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:01	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Nitrobenzene-d5 (Surr)		82		41 - 120		06/06/17 07:15		06/07/17 19:01	1
2-Fluorobiphenyl (Surr)		76		44 - 121		06/06/17 07:15		06/07/17 19:01	1
Terphenyl-d14 (Surr)		95		35 - 160		06/06/17 07:15		06/07/17 19:01	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.020		0.020	0.0069	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1221	<0.020		0.020	0.0086	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1232	<0.020		0.020	0.0086	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1242	<0.020		0.020	0.0065	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1248	<0.020		0.020	0.0077	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1254	<0.020		0.020	0.0042	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
PCB-1260	<0.020		0.020	0.0096	mg/Kg	⊗	06/02/17 15:40	06/05/17 19:50	1
<b>Surrogate</b>		%Recovery	Qualifier	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	Dil Fac
Tetrachloro-m-xylene		77		49 - 129		06/02/17 15:40		06/05/17 19:50	1
DCB Decachlorobiphenyl		86		37 - 121		06/02/17 15:40		06/05/17 19:50	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		1.1	0.36	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Barium	50		1.1	0.12	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Cadmium	0.17	J B	0.21	0.038	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Chromium	14	B	1.1	0.53	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Lead	21		0.53	0.25	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Selenium	1.4		1.1	0.63	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1
Silver	<0.53		0.53	0.14	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:49	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.018	0.0059	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:24	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-2 2-4**

**Lab Sample ID: 500-128779-3**

Date Collected: 05/25/17 16:10

Matrix: Solid

Date Received: 05/26/17 13:10

Percent Solids: 81.6

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<1.1		1.1	0.43	mg/Kg	⌚	06/01/17 10:00	06/01/17 13:56	1
Cyanide, Total	<0.57		0.57	0.20	mg/Kg	⌚	06/07/17 10:00	06/07/17 15:59	1
pH	7.3		0.2	0.2	SU			06/07/17 13:23	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-2 12.5-15**

Date Collected: 05/25/17 16:22

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-4**

Matrix: Solid

Percent Solids: 88.8

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Chrysene	<0.037		0.037	0.010	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	⊗	06/06/17 07:15	06/07/17 19:29	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)		81		41 - 120		06/06/17 07:15		06/07/17 19:29	1
2-Fluorobiphenyl (Surr)		76		44 - 121		06/06/17 07:15		06/07/17 19:29	1
Terphenyl-d14 (Surr)		94		35 - 160		06/06/17 07:15		06/07/17 19:29	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.018		0.018	0.0065	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1221	<0.018		0.018	0.0080	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1232	<0.018		0.018	0.0080	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1242	<0.018		0.018	0.0060	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1248	<0.018		0.018	0.0072	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1254	<0.018		0.018	0.0039	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
PCB-1260	<0.018		0.018	0.0090	mg/Kg	⊗	06/02/17 15:40	06/05/17 20:06	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene		63		49 - 129		06/02/17 15:40		06/05/17 20:06	1
DCB Decachlorobiphenyl		74		37 - 121		06/02/17 15:40		06/05/17 20:06	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		0.77	0.26	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Barium	19		0.77	0.088	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Cadmium	0.29	B	0.15	0.028	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Chromium	6.8	B	0.77	0.38	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Lead	13		0.38	0.18	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Selenium	<0.77		0.77	0.45	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1
Silver	<0.38		0.38	0.099	mg/Kg	⊗	06/01/17 08:40	06/01/17 17:52	1

## Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.016	0.0055	mg/Kg	⊗	06/01/17 07:30	06/01/17 10:27	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-2 12.5-15**  
**Date Collected: 05/25/17 16:22**  
**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-4**  
**Matrix: Solid**  
**Percent Solids: 88.8**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<1.1		1.1	0.43	mg/Kg	⌚	06/01/17 10:00	06/01/17 13:56	1
Cyanide, Total	<0.52		0.52	0.18	mg/Kg	⌚	06/07/17 10:00	06/07/17 15:59	1
pH	8.1		0.2	0.2	SU			06/07/17 13:26	1

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Qualifiers

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## GC/MS Semi VOA

### Prep Batch: 388249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	3541	5
500-128779-2	EP-1 12.5-15	Total/NA	Solid	3541	6
500-128779-3	EP-2 2-4	Total/NA	Solid	3541	7
500-128779-4	EP-2 12.5-15	Total/NA	Solid	3541	8
MB 500-388249/1-A	Method Blank	Total/NA	Solid	3541	9
LCS 500-388249/2-A	Lab Control Sample	Total/NA	Solid	3541	10
500-128779-1 MS	EP-1 2.5-5	Total/NA	Solid	3541	11
500-128779-1 MSD	EP-1 2.5-5	Total/NA	Solid	3541	12

### Analysis Batch: 388427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-388249/1-A	Method Blank	Total/NA	Solid	8270D	388249
LCS 500-388249/2-A	Lab Control Sample	Total/NA	Solid	8270D	388249

### Analysis Batch: 388538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	8270D	388249
500-128779-2	EP-1 12.5-15	Total/NA	Solid	8270D	388249
500-128779-3	EP-2 2-4	Total/NA	Solid	8270D	388249
500-128779-4	EP-2 12.5-15	Total/NA	Solid	8270D	388249
500-128779-1 MS	EP-1 2.5-5	Total/NA	Solid	8270D	388249
500-128779-1 MSD	EP-1 2.5-5	Total/NA	Solid	8270D	388249

## GC Semi VOA

### Prep Batch: 387939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	3541	12
500-128779-2	EP-1 12.5-15	Total/NA	Solid	3541	13
500-128779-3	EP-2 2-4	Total/NA	Solid	3541	14
500-128779-4	EP-2 12.5-15	Total/NA	Solid	3541	15
MB 500-387939/1-A	Method Blank	Total/NA	Solid	3541	1
LCS 500-387939/3-A	Lab Control Sample	Total/NA	Solid	3541	2

### Analysis Batch: 388194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	8082A	387939
500-128779-2	EP-1 12.5-15	Total/NA	Solid	8082A	387939
500-128779-3	EP-2 2-4	Total/NA	Solid	8082A	387939
500-128779-4	EP-2 12.5-15	Total/NA	Solid	8082A	387939
MB 500-387939/1-A	Method Blank	Total/NA	Solid	8082A	387939
LCS 500-387939/3-A	Lab Control Sample	Total/NA	Solid	8082A	387939

## Metals

### Prep Batch: 387569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	7471B	1
500-128779-2	EP-1 12.5-15	Total/NA	Solid	7471B	2
500-128779-3	EP-2 2-4	Total/NA	Solid	7471B	3

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Metals (Continued)

### Prep Batch: 387569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-4	EP-2 12.5-15	Total/NA	Solid	7471B	
MB 500-387569/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-387569/13-A	Lab Control Sample	Total/NA	Solid	7471B	

### Prep Batch: 387684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	3050B	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	3050B	
500-128779-3	EP-2 2-4	Total/NA	Solid	3050B	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	3050B	
MB 500-387684/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-387684/2-A	Lab Control Sample	Total/NA	Solid	3050B	

### Analysis Batch: 387712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	7471B	387569
500-128779-2	EP-1 12.5-15	Total/NA	Solid	7471B	387569
500-128779-3	EP-2 2-4	Total/NA	Solid	7471B	387569
500-128779-4	EP-2 12.5-15	Total/NA	Solid	7471B	387569
MB 500-387569/12-A	Method Blank	Total/NA	Solid	7471B	387569
LCS 500-387569/13-A	Lab Control Sample	Total/NA	Solid	7471B	387569

### Analysis Batch: 387831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	6010B	387684
500-128779-2	EP-1 12.5-15	Total/NA	Solid	6010B	387684
500-128779-3	EP-2 2-4	Total/NA	Solid	6010B	387684
500-128779-4	EP-2 12.5-15	Total/NA	Solid	6010B	387684
MB 500-387684/1-A	Method Blank	Total/NA	Solid	6010B	387684
LCS 500-387684/2-A	Lab Control Sample	Total/NA	Solid	6010B	387684

## General Chemistry

### Analysis Batch: 387097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	Moisture	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	Moisture	
500-128779-3	EP-2 2-4	Total/NA	Solid	Moisture	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	Moisture	

### Prep Batch: 387693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	3060A	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	3060A	
500-128779-3	EP-2 2-4	Total/NA	Solid	3060A	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	3060A	
MB 500-387693/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 500-387693/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCS 500-387693/3-A	Lab Control Sample	Total/NA	Solid	3060A	
500-128779-4 MS	EP-2 12.5-15	Total/NA	Solid	3060A	

TestAmerica Chicago

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## General Chemistry (Continued)

### Prep Batch: 387693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-4 MS	EP-2 12.5-15	Total/NA	Solid	3060A	
500-128779-4 MSD	EP-2 12.5-15	Total/NA	Solid	3060A	
500-128779-4 MSD	EP-2 12.5-15	Total/NA	Solid	3060A	

### Analysis Batch: 387863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	7196A	387693
500-128779-2	EP-1 12.5-15	Total/NA	Solid	7196A	387693
500-128779-3	EP-2 2-4	Total/NA	Solid	7196A	387693
500-128779-4	EP-2 12.5-15	Total/NA	Solid	7196A	387693
MB 500-387693/1-A	Method Blank	Total/NA	Solid	7196A	387693
LCS 500-387693/2-A	Lab Control Sample	Total/NA	Solid	7196A	387693
LCS 500-387693/3-A	Lab Control Sample	Total/NA	Solid	7196A	387693
500-128779-4 MS	EP-2 12.5-15	Total/NA	Solid	7196A	387693
500-128779-4 MS	EP-2 12.5-15	Total/NA	Solid	7196A	387693
500-128779-4 MSD	EP-2 12.5-15	Total/NA	Solid	7196A	387693
500-128779-4 MSD	EP-2 12.5-15	Total/NA	Solid	7196A	387693

### Prep Batch: 388353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	9010B	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	9010B	
500-128779-3	EP-2 2-4	Total/NA	Solid	9010B	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	9010B	
MB 500-388353/1-A	Method Blank	Total/NA	Solid	9010B	
LCS 500-388353/2-A	Lab Control Sample	Total/NA	Solid	9010B	

### Analysis Batch: 388555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	9045D	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	9045D	
500-128779-3	EP-2 2-4	Total/NA	Solid	9045D	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	9045D	
500-128779-1 DU	EP-1 2.5-5	Total/NA	Solid	9045D	

### Analysis Batch: 388568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	9014	388353
500-128779-2	EP-1 12.5-15	Total/NA	Solid	9014	388353
500-128779-3	EP-2 2-4	Total/NA	Solid	9014	388353
500-128779-4	EP-2 12.5-15	Total/NA	Solid	9014	388353
MB 500-388353/1-A	Method Blank	Total/NA	Solid	9014	388353
LCS 500-388353/2-A	Lab Control Sample	Total/NA	Solid	9014	388353

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (41-120)	FBP (44-121)	TPH (35-160)
500-128779-1	EP-1 2.5-5	82	77	117
500-128779-1 MS	EP-1 2.5-5	80	78	100
500-128779-1 MSD	EP-1 2.5-5	76	75	96
500-128779-2	EP-1 12.5-15	77	72	92
500-128779-3	EP-2 2-4	82	76	95
500-128779-4	EP-2 12.5-15	81	76	94
LCS 500-388249/2-A	Lab Control Sample	74	71	86
MB 500-388249/1-A	Method Blank	75	73	88

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

TPH = Terphenyl-d14 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCB1 (37-121)
500-128779-1	EP-1 2.5-5	84	87
500-128779-2	EP-1 12.5-15	72	83
500-128779-3	EP-2 2-4	77	86
500-128779-4	EP-2 12.5-15	63	74
LCS 500-387939/3-A	Lab Control Sample	75	74
MB 500-387939/1-A	Method Blank	60	72

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-388249/1-A**

**Matrix: Solid**

**Analysis Batch: 388427**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 388249**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Anthracene	<0.033		0.033	0.0056	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Chrysene	<0.033		0.033	0.0091	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Naphthalene	<0.033		0.033	0.0051	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Pyrene	<0.033		0.033	0.0066	mg/Kg	06/06/17 07:15	06/07/17 12:04		1
Fluorene	<0.033		0.033	0.0047	mg/Kg	06/06/17 07:15	06/07/17 12:04		1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		41 - 120	06/06/17 07:15	06/07/17 12:04	1
2-Fluorobiphenyl (Surr)	73		44 - 121	06/06/17 07:15	06/07/17 12:04	1
Terphenyl-d14 (Surr)	88		35 - 160	06/06/17 07:15	06/07/17 12:04	1

**Lab Sample ID: LCS 500-388249/2-A**

**Matrix: Solid**

**Analysis Batch: 388427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388249**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthene	1.33	0.981		mg/Kg	74	58 - 110		
Acenaphthylene	1.33	1.07		mg/Kg	80	60 - 110		
Anthracene	1.33	1.04		mg/Kg	78	63 - 110		
Benzo[a]anthracene	1.33	1.14		mg/Kg	85	63 - 110		
Benzo[a]pyrene	1.33	1.21		mg/Kg	91	61 - 120		
Benzo[b]fluoranthene	1.33	1.18		mg/Kg	88	62 - 120		
Benzo[g,h,i]perylene	1.33	1.19		mg/Kg	90	64 - 120		
Benzo[k]fluoranthene	1.33	1.11		mg/Kg	83	65 - 120		
Chrysene	1.33	1.14		mg/Kg	86	63 - 120		
Dibenz(a,h)anthracene	1.33	1.22		mg/Kg	92	64 - 119		
Fluoranthene	1.33	1.10		mg/Kg	82	62 - 120		
Indeno[1,2,3-cd]pyrene	1.33	1.19		mg/Kg	89	57 - 127		
Naphthalene	1.33	1.02		mg/Kg	76	63 - 110		
Phenanthrene	1.33	1.04		mg/Kg	78	62 - 120		
Pyrene	1.33	1.11		mg/Kg	83	63 - 120		
Fluorene	1.33	1.06		mg/Kg	79	62 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	74		41 - 120
2-Fluorobiphenyl (Surr)	71		44 - 121

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-388249/2-A**

**Matrix: Solid**

**Analysis Batch: 388427**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 388249**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	86		35 - 160

**Lab Sample ID: 500-128779-1 MS**

**Matrix: Solid**

**Analysis Batch: 388538**

**Client Sample ID: EP-1 2.5-5**

**Prep Type: Total/NA**

**Prep Batch: 388249**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	<0.039		1.59	1.40		mg/Kg	⊗	88	58 - 110
Acenaphthylene	<0.039		1.59	1.37		mg/Kg	⊗	86	60 - 110
Anthracene	0.0095	J	1.59	1.46		mg/Kg	⊗	91	63 - 110
Benzo[a]anthracene	0.024	J	1.59	1.43		mg/Kg	⊗	88	63 - 110
Benzo[a]pyrene	0.025	J	1.59	1.50		mg/Kg	⊗	93	61 - 120
Benzo[b]fluoranthene	0.038	J	1.59	1.75		mg/Kg	⊗	108	62 - 120
Benzo[g,h,i]perylene	0.018	J F1	1.59	0.682	F1	mg/Kg	⊗	42	64 - 120
Benzo[k]fluoranthene	0.013	J	1.59	1.74		mg/Kg	⊗	108	65 - 120
Chrysene	0.030	J	1.59	1.40		mg/Kg	⊗	86	63 - 120
Dibenz(a,h)anthracene	<0.039	F1	1.59	0.874	F1	mg/Kg	⊗	55	64 - 119
Fluoranthene	0.055		1.59	1.61		mg/Kg	⊗	98	62 - 120
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.59	0.822	F1	mg/Kg	⊗	51	57 - 127
Naphthalene	<0.039		1.59	1.34		mg/Kg	⊗	85	63 - 110
Phenanthrene	0.049		1.59	1.50		mg/Kg	⊗	91	62 - 120
Pyrene	0.067		1.59	1.71		mg/Kg	⊗	103	63 - 120
Fluorene	<0.039		1.59	1.43		mg/Kg	⊗	90	62 - 120

Surrogate	LCS %Recovery	Limits
Nitrobenzene-d5 (Surr)	80	41 - 120
2-Fluorobiphenyl (Surr)	78	44 - 121
Terphenyl-d14 (Surr)	100	35 - 160

**Lab Sample ID: 500-128779-1 MSD**

**Matrix: Solid**

**Analysis Batch: 388538**

**Client Sample ID: EP-1 2.5-5**

**Prep Type: Total/NA**

**Prep Batch: 388249**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	<0.039		1.55	1.32		mg/Kg	⊗	85	58 - 110	6	30
Acenaphthylene	<0.039		1.55	1.29		mg/Kg	⊗	84	60 - 110	6	30
Anthracene	0.0095	J	1.55	1.43		mg/Kg	⊗	92	63 - 110	2	30
Benzo[a]anthracene	0.024	J	1.55	1.38		mg/Kg	⊗	87	63 - 110	4	30
Benzo[a]pyrene	0.025	J	1.55	1.46		mg/Kg	⊗	93	61 - 120	3	30
Benzo[b]fluoranthene	0.038	J	1.55	1.70		mg/Kg	⊗	107	62 - 120	3	30
Benzo[g,h,i]perylene	0.018	J F1	1.55	0.705	F1	mg/Kg	⊗	44	64 - 120	3	30
Benzo[k]fluoranthene	0.013	J	1.55	1.62		mg/Kg	⊗	104	65 - 120	7	30
Chrysene	0.030	J	1.55	1.35		mg/Kg	⊗	85	63 - 120	4	30
Dibenz(a,h)anthracene	<0.039	F1	1.55	0.881	F1	mg/Kg	⊗	57	64 - 119	1	30
Fluoranthene	0.055		1.55	1.55		mg/Kg	⊗	97	62 - 120	4	30
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.55	0.840	F1	mg/Kg	⊗	53	57 - 127	2	30
Naphthalene	<0.039		1.55	1.26		mg/Kg	⊗	82	63 - 110	6	30
Phenanthrene	0.049		1.55	1.47		mg/Kg	⊗	92	62 - 120	2	30

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID:** 500-128779-1 MSD

**Matrix:** Solid

**Analysis Batch:** 388538

**Client Sample ID:** EP-1 2.5-5

**Prep Type:** Total/NA

**Prep Batch:** 388249

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Pyrene	0.067		1.55	1.66		mg/Kg	⊗	103	63 - 120	3	30
Fluorene	<0.039		1.55	1.34		mg/Kg	⊗	86	62 - 120	7	30
<b>Surrogate</b>											
Nitrobenzene-d5 (Surr)	76			41 - 120							
2-Fluorobiphenyl (Surr)	75			44 - 121							
Terphenyl-d14 (Surr)	96			35 - 160							

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID:** MB 500-387939/1-A

**Matrix:** Solid

**Analysis Batch:** 388194

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387939

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.017		0.017	0.0059	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1221	<0.017		0.017	0.0073	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1232	<0.017		0.017	0.0073	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1242	<0.017		0.017	0.0055	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1248	<0.017		0.017	0.0066	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1254	<0.017		0.017	0.0036	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
PCB-1260	<0.017		0.017	0.0082	mg/Kg		06/02/17 15:40	06/05/17 16:30	1
<b>Surrogate</b>									
Tetrachloro-m-xylene	60			49 - 129			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72			37 - 121			06/02/17 15:40	06/05/17 16:30	1
							06/02/17 15:40	06/05/17 16:30	1

**Lab Sample ID:** LCS 500-387939/3-A

**Matrix:** Solid

**Analysis Batch:** 388194

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 387939

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier				
PCB-1016	0.167	0.119		mg/Kg		71	57 - 120
PCB-1260	0.167	0.126		mg/Kg		75	61 - 125
<b>Surrogate</b>							
Tetrachloro-m-xylene	75	49 - 129					
DCB Decachlorobiphenyl	74	37 - 121					

## Method: 6010B - Metals (ICP)

**Lab Sample ID:** MB 500-387684/1-A

**Matrix:** Solid

**Analysis Batch:** 387831

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387684

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<1.0		1.0	0.34	mg/Kg		06/01/17 08:40	06/01/17 15:55	1

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID:** MB 500-387684/1-A

**Matrix:** Solid

**Analysis Batch:** 387831

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387684

Analyte	MB		RL	MDL	Unit	D	Prepared		Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed		
Barium	<1.0		1.0	0.11	mg/Kg		06/01/17 08:40	06/01/17 15:55		1
Cadmium	0.0432	J	0.20	0.036	mg/Kg		06/01/17 08:40	06/01/17 15:55		1
Chromium	0.556	J	1.0	0.50	mg/Kg		06/01/17 08:40	06/01/17 15:55		1
Lead	<0.50		0.50	0.23	mg/Kg		06/01/17 08:40	06/01/17 15:55		1
Selenium	<1.0		1.0	0.59	mg/Kg		06/01/17 08:40	06/01/17 15:55		1
Silver	<0.50		0.50	0.13	mg/Kg		06/01/17 08:40	06/01/17 15:55		1

**Lab Sample ID:** LCS 500-387684/2-A

**Matrix:** Solid

**Analysis Batch:** 387831

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 387684

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec.		Limits
	Added	Result					%Rec.	Limits	
Arsenic	10.0	9.12	mg/Kg				91	80 - 120	
Barium	200	191	mg/Kg				95	80 - 120	
Cadmium	5.00	4.72	mg/Kg				94	80 - 120	
Chromium	20.0	18.9	mg/Kg				95	80 - 120	
Lead	10.0	9.15	mg/Kg				92	80 - 120	
Selenium	10.0	8.78	mg/Kg				88	80 - 120	
Silver	5.00	4.46	mg/Kg				89	80 - 120	

## Method: 7471B - Mercury (CVAA)

**Lab Sample ID:** MB 500-387569/12-A

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387569

Analyte	MB		RL	MDL	Unit	D	Prepared		Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed		
Mercury	<0.017		0.017	0.0056	mg/Kg		06/01/17 07:30	06/01/17 09:49		1

**Lab Sample ID:** LCS 500-387569/13-A

**Matrix:** Solid

**Analysis Batch:** 387712

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 387569

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec.		Limits
	Added	Result					%Rec.	Limits	
Mercury	0.167	0.179	mg/Kg				107	80 - 120	

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID:** MB 500-387693/1-A

**Matrix:** Solid

**Analysis Batch:** 387863

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 387693

Analyte	MB		RL	MDL	Unit	D	Prepared		Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed		
Chromium, hexavalent	<1.0		1.0	0.39	mg/Kg		06/01/17 10:00	06/01/17 13:53		1

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: LCS 500-387693/2-A**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**5**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Chromium, hexavalent	10.0	9.10		mg/Kg		91	80 - 120

**Lab Sample ID: LCS 500-387693/3-A**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**6**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Chromium, hexavalent	805	756		mg/Kg		94	80 - 120

**Lab Sample ID: 500-128779-4 MS**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: EP-2 12.5-15**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**7**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Chromium, hexavalent	<1.1		38.8	32.0		mg/Kg	⊗	83	75 - 125

**Lab Sample ID: 500-128779-4 MS**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: EP-2 12.5-15**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**8**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Chromium, hexavalent	<1.1		916	795		mg/Kg	⊗	87	75 - 125

**Lab Sample ID: 500-128779-4 MSD**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: EP-2 12.5-15**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**9**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD
Chromium, hexavalent	<1.1		41.1	35.3		mg/Kg	⊗	86	75 - 125

**Lab Sample ID: 500-128779-4 MSD**

**Matrix: Solid**

**Analysis Batch: 387863**

**Client Sample ID: EP-2 12.5-15**

**Prep Type: Total/NA**

**Prep Batch: 387693**

**10**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD
Chromium, hexavalent	<1.1		940	823		mg/Kg	⊗	88	75 - 125

**11**

## Method: 9014 - Cyanide

**Lab Sample ID: MB 500-388353/1-A**

**Matrix: Solid**

**Analysis Batch: 388568**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 388353**

**12**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50	0.17	mg/Kg		06/07/17 10:00	06/07/17 15:53	1

**13**

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-388353/2-A

Matrix: Solid

Analysis Batch: 388568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 388353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	%Rec.
Cyanide, Total	5.00	5.00		mg/Kg	100	80 - 120	

## Method: 9045D - pH

Lab Sample ID: 500-128779-1 DU

Matrix: Solid

Analysis Batch: 388555

Client Sample ID: EP-1 2.5-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD	Limit
pH	7.3		7.4		SU		0.4		

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

**Client Sample ID: EP-1 2.5-5**

Date Collected: 05/25/17 15:37

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-1**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:10	SMO	TAL CHI
						(End) 06/07/17 13:12		
Total/NA	Analysis	Moisture		1	387097	05/26/17 15:41	LWN	TAL CHI

**Client Sample ID: EP-1 2.5-5**

Date Collected: 05/25/17 15:37

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-1**

Matrix: Solid

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388249	06/06/17 07:15	STW	TAL CHI
Total/NA	Analysis	8270D		1	388538	06/07/17 18:07	GES	TAL CHI
Total/NA	Prep	3541			387939	06/02/17 15:40	JP1	TAL CHI
Total/NA	Analysis	8082A		1	388194	06/05/17 19:20	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:40	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:20	MJD	TAL CHI
Total/NA	Prep	3060A			387693	06/01/17 10:00	PMF	TAL CHI
Total/NA	Analysis	7196A		1	387863		PMF	TAL CHI
					(Start) 06/01/17 13:55			
					(End) 06/01/17 13:55			
Total/NA	Prep	9010B			388353	06/07/17 10:00	MAN	TAL CHI
Total/NA	Analysis	9014		1	388568		MAN	TAL CHI
					(Start) 06/07/17 15:58			
					(End) 06/07/17 15:59			

**Client Sample ID: EP-1 12.5-15**

Date Collected: 05/25/17 15:42

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-2**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:21	SMO	TAL CHI
						(End) 06/07/17 13:23		
Total/NA	Analysis	Moisture		1	387097	05/26/17 15:41	LWN	TAL CHI

**Client Sample ID: EP-1 12.5-15**

Date Collected: 05/25/17 15:42

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-2**

Matrix: Solid

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388249	06/06/17 07:15	STW	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Client Sample ID: EP-1 12.5-15

Date Collected: 05/25/17 15:42

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-2

Matrix: Solid

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	388538	06/07/17 18:34	GES	TAL CHI
Total/NA	Prep	3541			387939	06/02/17 15:40	JP1	TAL CHI
Total/NA	Analysis	8082A		1	388194	06/05/17 19:35	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:44	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:22	MJD	TAL CHI
Total/NA	Prep	3060A			387693	06/01/17 10:00	PMF	TAL CHI
Total/NA	Analysis	7196A		1	387863		PMF	TAL CHI
					(Start)	06/01/17 13:55		
					(End)	06/01/17 13:56		
Total/NA	Prep	9010B			388353	06/07/17 10:00	MAN	TAL CHI
Total/NA	Analysis	9014		1	388568		MAN	TAL CHI
					(Start)	06/07/17 15:59		
					(End)	06/07/17 15:59		

## Client Sample ID: EP-2 2-4

Date Collected: 05/25/17 16:10

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555		SMO	TAL CHI
					(Start)	06/07/17 13:23		
					(End)	06/07/17 13:26		
Total/NA	Analysis	Moisture		1	387097	05/26/17 15:41	LWN	TAL CHI

## Client Sample ID: EP-2 2-4

Date Collected: 05/25/17 16:10

Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-3

Matrix: Solid

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388249	06/06/17 07:15	STW	TAL CHI
Total/NA	Analysis	8270D		1	388538	06/07/17 19:01	GES	TAL CHI
Total/NA	Prep	3541			387939	06/02/17 15:40	JP1	TAL CHI
Total/NA	Analysis	8082A		1	388194	06/05/17 19:50	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:49	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:24	MJD	TAL CHI
Total/NA	Prep	3060A			387693	06/01/17 10:00	PMF	TAL CHI
Total/NA	Analysis	7196A		1	387863		PMF	TAL CHI
					(Start)	06/01/17 13:56		
					(End)	06/01/17 13:56		
Total/NA	Prep	9010B			388353	06/07/17 10:00	MAN	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Client Sample ID: EP-2 2-4

Date Collected: 05/25/17 16:10  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-3

Matrix: Solid  
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	388568	(Start) 06/07/17 15:59 (End) 06/07/17 15:59	MAN	TAL CHI

## Client Sample ID: EP-2 12.5-15

Date Collected: 05/25/17 16:22  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	388555	(Start) 06/07/17 13:26 (End) 06/07/17 13:29	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	387097	05/26/17 15:41	LWN	TAL CHI

## Client Sample ID: EP-2 12.5-15

Date Collected: 05/25/17 16:22  
Date Received: 05/26/17 13:10

## Lab Sample ID: 500-128779-4

Matrix: Solid  
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			388249	06/06/17 07:15	STW	TAL CHI
Total/NA	Analysis	8270D		1	388538	06/07/17 19:29	GES	TAL CHI
Total/NA	Prep	3541			387939	06/02/17 15:40	JP1	TAL CHI
Total/NA	Analysis	8082A		1	388194	06/05/17 20:06	BJH	TAL CHI
Total/NA	Prep	3050B			387684	06/01/17 08:40	JEF	TAL CHI
Total/NA	Analysis	6010B		1	387831	06/01/17 17:52	PJ1	TAL CHI
Total/NA	Prep	7471B			387569	06/01/17 07:30	MJD	TAL CHI
Total/NA	Analysis	7471B		1	387712	06/01/17 10:27	MJD	TAL CHI
Total/NA	Prep	3060A			387693	06/01/17 10:00	PMF	TAL CHI
Total/NA	Analysis	7196A		1	387863	(Start) 06/01/17 13:56 (End) 06/01/17 13:56	PMF	TAL CHI
Total/NA	Prep	9010B			388353	06/07/17 10:00	MAN	TAL CHI
Total/NA	Analysis	9014		1	388568	(Start) 06/07/17 15:59 (End) 06/07/17 16:00	MAN	TAL CHI

### Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-1

## Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

## TestAmerica Chicago

2417 Bond Street  
University Park, IL 60484  
Phone (708) 534-5200 Fax (708) 534-5211

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>	Lab PM: Knapp, Jim D	Carrier Tracking No(s):		COC No: 500-53734-26438.3						
Client Contact: Tyler Gomoll		Phone: jim.knapp@testamericainc.com	E-Mail:					Page: Page 3 of 4				
Company: TRC Environmental Corporation				Job #: <b>500-128779</b>								
Address: 230 West Monroe Suite 2300		Due Date Requested:		Analysis Requested								
City: Chicago		TAT Requested (days): <i>Standard</i>										
State, Zip: IL, 60606												
Phone: 773-368-6141(Tel)		PO #: 108187										
Email: TGoMoll@trcsolutions.com		WO #:										
Project Name: DG - Downers Grove, IL		Project #: 50013397										
Site:		SSOW#:										
Sample Identification		Sample Date <i>5/25/17</i>	Sample Time <i>1537</i>	Sample Type (C=comp, G=grab) <i>FG</i>	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Preservation (MSDS/Notes) <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8260B - VOCs 6010B, 7471B, 8082A, 8270D, 9014, 9045D	N N N N	6010B, 7470A, 8270D 8260B - TCLP VOC 7196A - Chromium, Hexavalent	Total Number of containers <input checked="" type="checkbox"/>	Special Instructions/Note: <i>EP-1 2.5-5</i>
1	EP-1 2.5-5	<i>5/25/17</i>	<i>1537</i>	<i>FG</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	EP-1 12.5-15	<i>1</i>	<i>1542</i>	<i>1</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	EP-2 2-4	<i>1</i>	<i>1610</i>	<i>1</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	EP-2 12.5-15	<i>1</i>	<i>1622</i>	<i>1</i>	Solid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months						
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:						
Relinquished by: <i>Tyler Gomoll</i>		Date/Time: <i>5/25/17 1215</i>		Company <i>TRC</i>		Received by <i>[Signature]</i>		Date/Time: <i>5/26/17 1215</i>		Company <i>TA</i>		
Relinquished by: <i>[Signature]</i>		Date/Time: <i>5/25/17 1310</i>		Company <i>TA</i>		Received by:		Date/Time:		Company		
Relinquished by:		Date/Time:		Company		Received by:		Date/Time:		Company		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <i>5.9, 5.3, 4.1</i>										
Cooler Temperature(s) °C and Other Remarks: Page 31 of 30												

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-128779-1

**Login Number:** 128779

**List Source:** TestAmerica Chicago

**List Number:** 1

**Creator:** Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(5.9)(5.3)(4.1)(3.3)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-128779-2

Client Project/Site: DG - Downers Grove, IL

For:

TRC Environmental Corporation

230 West Monroe

Suite 2300

Chicago, Illinois 60606

Attn: Michael Butler



Authorized for release by:

5/31/2017 3:03:41 PM

Jim Knapp, Project Manager II

(630)758-0262

jim.knapp@testamericainc.com

### LINKS

Review your project  
results through

TotalAccess

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page .....	1
Table of Contents .....	2
Case Narrative .....	3
Detection Summary .....	4
Method Summary .....	5
Sample Summary .....	6
Client Sample Results .....	7
Definitions .....	11
QC Association .....	12
Surrogate Summary .....	13
QC Sample Results .....	14
Chronicle .....	17
Certification Summary .....	18
Chain of Custody .....	19
Receipt Checklists .....	20

# Case Narrative

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Job ID: 500-128779-2**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative  
500-128779-2**

## Comments

No additional comments.

## Receipt

The samples were received on 5/26/2017 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.3° C, 4.1° C, 5.3° C and 5.9° C.

## GC/MS VOA

Method(s) 8260B: The following analyte recovered outside control limits for the LCS associated with 387327 : Carbon tetrachloride. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## Detection Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

### Client Sample ID: EP-1 2.5-5

### Lab Sample ID: 500-128779-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.031		0.022	0.0095	mg/Kg	1	⊗	8260B	Total/NA
Methyl Ethyl Ketone	0.0028	J	0.0054	0.0024	mg/Kg	1	⊗	8260B	Total/NA

### Client Sample ID: EP-1 12.5-15

### Lab Sample ID: 500-128779-2

No Detections.

### Client Sample ID: EP-2 2-4

### Lab Sample ID: 500-128779-3

No Detections.

### Client Sample ID: EP-2 12.5-15

### Lab Sample ID: 500-128779-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

## Sample Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-128779-1	EP-1 2.5-5	Solid	05/25/17 15:37	05/26/17 13:10
500-128779-2	EP-1 12.5-15	Solid	05/25/17 15:42	05/26/17 13:10
500-128779-3	EP-2 2-4	Solid	05/25/17 16:10	05/26/17 13:10
500-128779-4	EP-2 12.5-15	Solid	05/25/17 16:22	05/26/17 13:10

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Client Sample ID: EP-1 2.5-5**

Date Collected: 05/25/17 15:37

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-1**

Matrix: Solid

Percent Solids: 82.4

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00070	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,1-Dichloroethane	<0.0022		0.0022	0.00075	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,1-Dichloroethene	<0.0022		0.0022	0.00075	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
<b>Acetone</b>	<b>0.031</b>		0.022	0.0095	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Benzene	<0.0022		0.0022	0.00056	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Bromoform	<0.0022		0.0022	0.00064	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Bromomethane	<0.0054		0.0054	0.0021	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Carbon tetrachloride	<0.0022 *		0.0022	0.00063	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Chloroform	<0.0022		0.0022	0.00076	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00066	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
<b>Methyl Ethyl Ketone</b>	<b>0.0028 J</b>		0.0054	0.0024	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Styrene	<0.0022		0.0022	0.00066	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00097	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Trichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
Xylenes, Total	<0.0044		0.0044	0.00070	mg/Kg	☀	05/26/17 16:20	05/30/17 14:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	89			70 - 134			05/26/17 16:20	05/30/17 14:01	1
4-Bromofluorobenzene (Surr)	91			75 - 131			05/26/17 16:20	05/30/17 14:01	1
Dibromofluoromethane	92			75 - 126			05/26/17 16:20	05/30/17 14:01	1
Toluene-d8 (Surr)	92			75 - 124			05/26/17 16:20	05/30/17 14:01	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Client Sample ID: EP-1 12.5-15**

Date Collected: 05/25/17 15:42

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-2**

Matrix: Solid

Percent Solids: 86.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,1,2,2-Tetrachloroethane	<0.0013		0.0013	0.00040	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,1,2-Trichloroethane	<0.0013		0.0013	0.00054	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,1-Dichloroethane	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,1-Dichloroethene	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,2-Dichloroethane	<0.0032		0.0032	0.00099	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,2-Dichloropropane	<0.0013		0.0013	0.00033	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
1,3-Dichloropropene, Total	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
2-Hexanone	<0.0032		0.0032	0.00099	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Acetone	<0.013		0.013	0.0055	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Benzene	<0.0013		0.0013	0.00032	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Bromodichloromethane	<0.0013		0.0013	0.00026	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Bromoform	<0.0013		0.0013	0.00037	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Bromomethane	<0.0032		0.0032	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Carbon disulfide	<0.0032		0.0032	0.00066	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Carbon tetrachloride	<0.0013 *		0.0013	0.00037	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Chlorobenzene	<0.0013		0.0013	0.00047	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Chloroethane	<0.0032		0.0032	0.00094	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Chloroform	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Chloromethane	<0.0032		0.0032	0.0013	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
cis-1,2-Dichloroethene	<0.0013		0.0013	0.00035	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
cis-1,3-Dichloropropene	<0.0013		0.0013	0.00038	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Dibromochloromethane	<0.0013		0.0013	0.00041	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Ethylbenzene	<0.0013		0.0013	0.00061	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Methyl Ethyl Ketone	<0.0032		0.0032	0.0014	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
methyl isobutyl ketone	<0.0032		0.0032	0.00094	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Methyl tert-butyl ether	<0.0013		0.0013	0.00037	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Methylene Chloride	<0.0032		0.0032	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Styrene	<0.0013		0.0013	0.00038	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Tetrachloroethene	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Toluene	<0.0013		0.0013	0.00032	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
trans-1,2-Dichloroethene	<0.0013		0.0013	0.00056	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
trans-1,3-Dichloropropene	<0.0013		0.0013	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Trichloroethene	<0.0013		0.0013	0.00043	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Vinyl chloride	<0.0013		0.0013	0.00056	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1
Xylenes, Total	<0.0025		0.0025	0.00041	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	05/26/17 16:20	05/30/17 14:26	1
4-Bromofluorobenzene (Surr)	92		75 - 131	05/26/17 16:20	05/30/17 14:26	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/30/17 14:26	1
Toluene-d8 (Surr)	98		75 - 124	05/26/17 16:20	05/30/17 14:26	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Client Sample ID: EP-2 2-4**

Date Collected: 05/25/17 16:10

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-3**

Matrix: Solid

Percent Solids: 81.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Acetone	<0.015		0.015	0.0065	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Carbon tetrachloride	<0.0015 *		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	⊗	05/26/17 16:20	05/30/17 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	05/26/17 16:20	05/30/17 14:50	1
4-Bromofluorobenzene (Surr)	93		75 - 131	05/26/17 16:20	05/30/17 14:50	1
Dibromofluoromethane	90		75 - 126	05/26/17 16:20	05/30/17 14:50	1
Toluene-d8 (Surr)	95		75 - 124	05/26/17 16:20	05/30/17 14:50	1

TestAmerica Chicago

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Client Sample ID: EP-2 12.5-15**

Date Collected: 05/25/17 16:22

Date Received: 05/26/17 13:10

**Lab Sample ID: 500-128779-4**

Matrix: Solid

Percent Solids: 88.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Acetone	<0.015		0.015	0.0066	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Carbon tetrachloride	<0.0015 *		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	⊗	05/26/17 16:20	05/30/17 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	05/26/17 16:20	05/30/17 15:14	1
4-Bromofluorobenzene (Surr)	94		75 - 131	05/26/17 16:20	05/30/17 15:14	1
Dibromofluoromethane	89		75 - 126	05/26/17 16:20	05/30/17 15:14	1
Toluene-d8 (Surr)	92		75 - 124	05/26/17 16:20	05/30/17 15:14	1

TestAmerica Chicago

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

### Abbreviation

**These commonly used abbreviations may or may not be present in this report.**

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## GC/MS VOA

### Prep Batch: 387243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	5035	
500-128779-2	EP-1 12.5-15	Total/NA	Solid	5035	
500-128779-3	EP-2 2-4	Total/NA	Solid	5035	
500-128779-4	EP-2 12.5-15	Total/NA	Solid	5035	

### Analysis Batch: 387327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-128779-1	EP-1 2.5-5	Total/NA	Solid	8260B	387243
500-128779-2	EP-1 12.5-15	Total/NA	Solid	8260B	387243
500-128779-3	EP-2 2-4	Total/NA	Solid	8260B	387243
500-128779-4	EP-2 12.5-15	Total/NA	Solid	8260B	387243
MB 500-387327/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-387327/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-387327/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Surrogate Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (70-134)	BFB (75-131)	DBFM (75-126)	TOL (75-124)				
500-128779-1	EP-1 2.5-5	89	91	92	92				
500-128779-2	EP-1 12.5-15	86	92	89	98				
500-128779-3	EP-2 2-4	89	93	90	95				
500-128779-4	EP-2 12.5-15	87	94	89	92				
LCS 500-387327/4	Lab Control Sample	81	90	87	96				
LCSD 500-387327/5	Lab Control Sample Dup	79	93	89	93				
MB 500-387327/6	Method Blank	81	91	87	94				

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-387327/6**

**Matrix: Solid**

**Analysis Batch: 387327**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg			05/30/17 11:34	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg			05/30/17 11:34	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg			05/30/17 11:34	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg			05/30/17 11:34	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg			05/30/17 11:34	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg			05/30/17 11:34	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			05/30/17 11:34	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg			05/30/17 11:34	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg			05/30/17 11:34	1
Acetone	<0.020		0.020	0.0087	mg/Kg			05/30/17 11:34	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg			05/30/17 11:34	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg			05/30/17 11:34	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg			05/30/17 11:34	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg			05/30/17 11:34	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg			05/30/17 11:34	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg			05/30/17 11:34	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg			05/30/17 11:34	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg			05/30/17 11:34	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg			05/30/17 11:34	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg			05/30/17 11:34	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg			05/30/17 11:34	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg			05/30/17 11:34	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg			05/30/17 11:34	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg			05/30/17 11:34	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg			05/30/17 11:34	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg			05/30/17 11:34	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg			05/30/17 11:34	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg			05/30/17 11:34	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg			05/30/17 11:34	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg			05/30/17 11:34	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg			05/30/17 11:34	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg			05/30/17 11:34	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg			05/30/17 11:34	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg			05/30/17 11:34	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg			05/30/17 11:34	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg			05/30/17 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 134		05/30/17 11:34	1
4-Bromofluorobenzene (Surr)	91		75 - 131		05/30/17 11:34	1
Dibromofluoromethane	87		75 - 126		05/30/17 11:34	1
Toluene-d8 (Surr)	94		75 - 124		05/30/17 11:34	1

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-387327/4**

**Matrix: Solid**

**Analysis Batch: 387327**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1-Trichloroethane	0.0500	0.0372		mg/Kg		74	70 - 128	
1,1,2,2-Tetrachloroethane	0.0500	0.0439		mg/Kg		88	70 - 122	
1,1,2-Trichloroethane	0.0500	0.0414		mg/Kg		83	70 - 125	
1,1-Dichloroethane	0.0500	0.0393		mg/Kg		79	70 - 125	
1,1-Dichloroethene	0.0500	0.0375		mg/Kg		75	70 - 120	
1,2-Dichloroethane	0.0500	0.0379		mg/Kg		76	70 - 130	
1,2-Dichloropropane	0.0500	0.0415		mg/Kg		83	70 - 125	
2-Hexanone	0.0500	0.0456		mg/Kg		91	48 - 146	
Acetone	0.0500	0.0410		mg/Kg		82	40 - 150	
Benzene	0.0500	0.0406		mg/Kg		81	70 - 125	
Bromodichloromethane	0.0500	0.0399		mg/Kg		80	67 - 129	
Bromoform	0.0500	0.0449		mg/Kg		90	68 - 136	
Bromomethane	0.0500	0.0380		mg/Kg		76	70 - 130	
Carbon disulfide	0.0500	0.0390		mg/Kg		78	70 - 129	
Carbon tetrachloride	0.0500	0.0361	*	mg/Kg		72	75 - 125	
Chlorobenzene	0.0500	0.0413		mg/Kg		83	50 - 150	
Chloroethane	0.0500	0.0466		mg/Kg		93	75 - 125	
Chloroform	0.0500	0.0380		mg/Kg		76	57 - 135	
Chloromethane	0.0500	0.0424		mg/Kg		85	70 - 125	
cis-1,2-Dichloroethene	0.0500	0.0397		mg/Kg		79	70 - 125	
cis-1,3-Dichloropropene	0.0500	0.0412		mg/Kg		82	70 - 125	
Dibromochloromethane	0.0500	0.0428		mg/Kg		86	69 - 125	
Ethylbenzene	0.0500	0.0400		mg/Kg		80	61 - 136	
Methyl Ethyl Ketone	0.0500	0.0447		mg/Kg		89	47 - 138	
methyl isobutyl ketone	0.0500	0.0421		mg/Kg		84	50 - 148	
Methyl tert-butyl ether	0.0500	0.0399		mg/Kg		80	50 - 140	
Methylene Chloride	0.0500	0.0403		mg/Kg		81	70 - 126	
Styrene	0.0500	0.0412		mg/Kg		82	70 - 125	
Tetrachloroethene	0.0500	0.0401		mg/Kg		80	70 - 124	
Toluene	0.0500	0.0410		mg/Kg		82	70 - 125	
trans-1,2-Dichloroethene	0.0500	0.0393		mg/Kg		79	70 - 125	
trans-1,3-Dichloropropene	0.0500	0.0397		mg/Kg		79	70 - 125	
Trichloroethene	0.0500	0.0410		mg/Kg		82	70 - 125	
Vinyl chloride	0.0500	0.0397		mg/Kg		79	70 - 125	
Xylenes, Total	0.100	0.0803		mg/Kg		80	53 - 147	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		70 - 134
4-Bromofluorobenzene (Surr)	90		75 - 131
Dibromofluoromethane	87		75 - 126
Toluene-d8 (Surr)	96		75 - 124

**Lab Sample ID: LCSD 500-387327/5**

**Matrix: Solid**

**Analysis Batch: 387327**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	%Rec.	RPD
1,1,1-Trichloroethane	0.0500	0.0382		mg/Kg		76	70 - 128	30

TestAmerica Chicago

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 500-387327/5**

**Matrix: Solid**

**Analysis Batch: 387327**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec.	Limits	RPD	RPD
	Added	Result	Qualifier			%Rec		Limit	
1,1,2,2-Tetrachloroethane	0.0500	0.0414		mg/Kg	83	70 - 122	6	30	
1,1,2-Trichloroethane	0.0500	0.0409		mg/Kg	82	70 - 125	1	30	
1,1-Dichloroethane	0.0500	0.0406		mg/Kg	81	70 - 125	3	30	
1,1-Dichloroethene	0.0500	0.0379		mg/Kg	76	70 - 120	1	30	
1,2-Dichloroethane	0.0500	0.0371		mg/Kg	74	70 - 130	2	30	
1,2-Dichloropropane	0.0500	0.0420		mg/Kg	84	70 - 125	1	30	
2-Hexanone	0.0500	0.0400		mg/Kg	80	48 - 146	13	30	
Acetone	0.0500	0.0345		mg/Kg	69	40 - 150	17	30	
Benzene	0.0500	0.0408		mg/Kg	82	70 - 125	0	30	
Bromodichloromethane	0.0500	0.0391		mg/Kg	78	67 - 129	2	30	
Bromoform	0.0500	0.0429		mg/Kg	86	68 - 136	5	30	
Bromomethane	0.0500	0.0406		mg/Kg	81	70 - 130	7	30	
Carbon disulfide	0.0500	0.0395		mg/Kg	79	70 - 129	1	30	
Carbon tetrachloride	0.0500	0.0373		mg/Kg	75	75 - 125	3	30	
Chlorobenzene	0.0500	0.0420		mg/Kg	84	50 - 150	2	30	
Chloroethane	0.0500	0.0445		mg/Kg	89	75 - 125	5	30	
Chloroform	0.0500	0.0392		mg/Kg	78	57 - 135	3	30	
Chloromethane	0.0500	0.0408		mg/Kg	82	70 - 125	4	30	
cis-1,2-Dichloroethene	0.0500	0.0405		mg/Kg	81	70 - 125	2	30	
cis-1,3-Dichloropropene	0.0500	0.0402		mg/Kg	80	70 - 125	2	30	
Dibromochloromethane	0.0500	0.0414		mg/Kg	83	69 - 125	3	30	
Ethylbenzene	0.0500	0.0404		mg/Kg	81	61 - 136	1	30	
Methyl Ethyl Ketone	0.0500	0.0362		mg/Kg	72	47 - 138	21	30	
methyl isobutyl ketone	0.0500	0.0355		mg/Kg	71	50 - 148	17	30	
Methyl tert-butyl ether	0.0500	0.0391		mg/Kg	78	50 - 140	2	30	
Methylene Chloride	0.0500	0.0406		mg/Kg	81	70 - 126	1	30	
Styrene	0.0500	0.0417		mg/Kg	83	70 - 125	1	30	
Tetrachloroethene	0.0500	0.0409		mg/Kg	82	70 - 124	2	30	
Toluene	0.0500	0.0405		mg/Kg	81	70 - 125	1	30	
trans-1,2-Dichloroethene	0.0500	0.0396		mg/Kg	79	70 - 125	1	30	
trans-1,3-Dichloropropene	0.0500	0.0390		mg/Kg	78	70 - 125	2	30	
Trichloroethene	0.0500	0.0415		mg/Kg	83	70 - 125	1	30	
Vinyl chloride	0.0500	0.0398		mg/Kg	80	70 - 125	0	30	
Xylenes, Total	0.100	0.0814		mg/Kg	81	53 - 147	1	30	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		70 - 134
4-Bromofluorobenzene (Surr)	93		75 - 131
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	93		75 - 124

TestAmerica Chicago

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

**Client Sample ID: EP-1 2.5-5**

**Date Collected: 05/25/17 15:37**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-1**

**Matrix: Solid**

**Percent Solids: 82.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387243	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387327	05/30/17 14:01	DJD	TAL CHI

**Client Sample ID: EP-1 12.5-15**

**Date Collected: 05/25/17 15:42**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-2**

**Matrix: Solid**

**Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387243	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387327	05/30/17 14:26	DJD	TAL CHI

**Client Sample ID: EP-2 2-4**

**Date Collected: 05/25/17 16:10**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-3**

**Matrix: Solid**

**Percent Solids: 81.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387243	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387327	05/30/17 14:50	DJD	TAL CHI

**Client Sample ID: EP-2 12.5-15**

**Date Collected: 05/25/17 16:22**

**Date Received: 05/26/17 13:10**

**Lab Sample ID: 500-128779-4**

**Matrix: Solid**

**Percent Solids: 88.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			387243	05/26/17 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		1	387327	05/30/17 15:14	DJD	TAL CHI

## Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: DG - Downers Grove, IL

TestAmerica Job ID: 500-128779-2

## Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18
The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:				
Analysis Method 8260B	Prep Method 5035	Matrix Solid	Analyte 1,3-Dichloropropene, Total	

## TestAmerica Chicago

2417 Bond Street  
University Park, IL 60484  
Phone (708) 534-5200 Fax (708) 534-5211

## Chain of Custody Record



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

<b>Client Information</b>		Sampler: <i>Tyler Gomoll</i>	Lab PM: Knapp, Jim D	500-128779 COC	COC No: 500-53734-26438.2
Client Contact: Tyler Gomoll		Phone:	E-Mail: jim.knapp@testamericainc.com	Page: Page 2 of 4	
Company: TRC Environmental Corporation		Analysis Requested			
Address: 230 West Monroe Suite 2300		Due Date Requested:			
City: Chicago		TAT Requested (days): <i>Standard</i>			
State, Zip: IL, 60606					
Phone: 773-368-6141(Tel)		PO #: 108187			
Email: TGoMoll@trcsolutions.com		WO #:			
Project Name: DG - Downers Grove, IL		Project #: 50013397			
Site:		SSOW#:			
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Issue, A=Air	Matrix (w=water, S=solid, O=waste/oil, T=tissue, A=air)
1 2 3 4	EP-1 2.5-5	<i>5/25/17</i>	<i>1537</i>	<i>G</i>	Solid
	EP-1 12.5-15	<i>1</i>	<i>1542</i>	<i>1</i>	Solid
	EP-2 2-4	<i>1</i>	<i>1610</i>	<i>1</i>	Solid
	EP-2 12.5-15	<i>1</i>	<i>1622</i>	<i>1</i>	Solid
					Solid
<b>Possible Hazard Identification</b>					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
<i>Tyler Gomoll</i>		<i>5/26/17 1215</i>	<i>TRC</i>	<i>JG</i>	
Relinquished by:		Date/Time: <i>5/26/17 1310</i>	Company: <i>TRC</i>	Received by:	Date/Time: <i>5/26/17 1215</i>
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact:		Custody Seal No.: <i>5, 9, 5, 3, 4, 1, 3, 3</i>			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>5/31/2017</i>			

## Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-128779-2

**Login Number:** 128779

**List Source:** TestAmerica Chicago

**List Number:** 1

**Creator:** Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	(5.9)(5.3)(4.1)(3.3)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

## Attachment 2

**Monitoring Well Sampling Summary**  
**August 2017**  
**Rexnord**  
**Downers Grove, Illinois**

Location	Sample Number	QA/QC	Sample Date	Sample Time	pH	Temperature (°C)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
BD-1I	GW-082117-AJ-15		8/21/2017	9:00	7.19	21.5	1480	5.23	62	336
BD-1I	GW-082117-AJ-16	FD	8/21/2017	9:10	--	--	--	--	--	--
Equip. Blank	GW-081817-AJ-07	EB	8/18/2017	9:30	--	--	--	--	--	--
BD-2I	GW-081817-AJ-08		8/18/2017	9:45	NA	NA	NA	NA	NA	NA
BD-3I	Not Sampled - Covered by downed trees									
BD-8I	GW-081717-JK-02		8/17/2017	12:15	6.90	12.9	1188	1.80	-68	132
OV-1I	GW-081817-AJ-09		8/18/2017	10:50	NA	NA	NA	NA	NA	NA
OV-4I	GW-081817-AJ-13		8/18/2017	15:30	7.02	18.7	1620	0.16	-43	196
OV-5I	GW-081717-AJ-04		8/17/2017	15:20	6.88	16.7	2680	1.50	39	77
RMW-1I	Not Sampled - Could not be located due to thick brush and trees									
MW276I	GW-081717-AJ-03		8/17/2017	13:50	6.89	17.8	3110	0.71	-19	124
MW278I	GW-081817-AJ-10		8/18/2016	12:50	6.87	21.6	1630	0.42	93	439
MW278I	GW-081817-AJ-11	FD	8/18/2016	13:00	--	--	--	--	--	--
MW279I	GW-090517-JT-23		9/5/2017	13:45	7.05	17.5	1880	1.88	119	32
Equip. Blank	GW-090517-JT-22	EB	9/5/2017	11:45	--	--	--	--	--	--
MW280I	Not Sampled - Pumped dry and did not recover									

**Monitoring Well Sampling Summary**  
**August 2017**  
**Rexnord**  
**Downers Grove, Illinois**

Location	Sample Number	QA/QC	Sample Date	Sample Time	pH	Temperature (°C)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
<b>Bedrock Wells</b>										
BD-1D	GW-081817-AJ-14		8/18/2017	17:20	7.07	17.7	1190	0.19	23	289
BD-2D	GW-081817-AJ-05		8/18/2017	9:10	6.91	16.8	1700	0.79	-112	366
BD-2D	GW-081817-AJ-06	MS/MSD & FD	8/18/2017	9:20	--	--	--	--	--	--
BD-8D	GW-082117-AJ-01		8/17/2017	11:50	6.75	16.2	1160	0.49	-26	221
RMW-1D	Not Sampled - Could not be located due to thick brush and trees									
RMW-2D	GW-082117-AJ-20		8/21/2017	14:00	NA	NA	NA	NA	NA	NA
Equip. Blank	GW-082117-AJ-21	EB	8/21/2017	14:30	--	--	--	--	--	--
RMW-3D	GW-082117-AJ-18		8/21/2017	12:30	7.06	21.0	1730	1.70	106	343
RMW-4D	GW-081817-AJ-12		8/18/2017	14:10	6.80	15.9	1840	0.26	-21	212
RMW-5D	GW-082117-AJ-17		8/21/2017	10:30	7.08	17.1	1160	0.34	-96	191

Notes:

FD - Field duplicate

EB - Equipment blank

MS/MSD - Matrix spike and MS duplicate

**Summary of Analytical Results  
for Contaminants of Concern and 1,4-Dioxane**  
**Rexnord**  
**Downers Grove, Illinois**

Well Designation	Sample Number	Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	1,4-Dioxane
<b>Drift Wells</b>										
BD-1I		6/13/02	ug/l	1.3	1 U	1 U	1 U	1 U	1 U	1 U
BD-1I		3/8/06	ug/l	0.68 J	1 U	1 U	1 U	1 U	1 U	1 U
BD-1I		2/9/07	ug/l	1.3	1 U	1 U	1 U	1 U	1 U	1 U
BD-1I		2/9/07	ug/l	1.2 J	1 U	1 U	1 U	1 U	1 U	1 U
BD-1I	GW-082117-AJ-15	8/21/17	ug/l	0.80 J	1 U	1 U	1 U	1 U	1 U	2 U
BD-1I	GW-082117-AJ-16	8/21/17	ug/l	FD 0.36 J	1 U	1 U	1 U	1 U	1 U	2 U
BD-2I		6/12/02	ug/l	1 U	1 U	1 U	1 U	2.1	1 U	
BD-2I		3/7/06	ug/l	1 U	1 U	1 U	1 U	2.5	1 U	
BD-2I		3/7/06	ug/l	FD 1 U	1 U	1 U	1 U	3.2	1 U	
BD-2I		2/9/07	ug/l	1 U	1 U	1 U	1 U	3.6	1 U	
BD-2I		2/9/07	ug/l	1 UJ	1 U	1 U	1 U	3.1	1 U	
BD-2I	GW-081817-AJ-08	8/18/17	ug/l	1 U	1 U	1 U	1 U	1.6	1 U	2 U
BD-3I		5/24/02	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
BD-3I		2/9/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
BD-3I		2/9/07	ug/l	1 UJ	1 U	1 U	1 U	1 U	1 U	
BD-3I		3/7/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	2 U
BD-3I		8/18/17	ug/l	ns	ns	ns	ns	ns	ns	ns
BD-8I		6/10/02	ug/l	0.88 J	1 U	1 U	1 U	0.8 J	0.63 J	
BD-8I		3/7/06	ug/l	0.59 J	1 U	1 U	1 U	0.62 J	0.38 J	
BD-8I		2/9/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
BD-8I		2/9/07	ug/l	0.23 J	1 U	1 U	1 U	1 U	1 U	
BD-8I	GW-081717-JK-02	8/17/17	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	2 U
MW-276I		2/12/07	ug/l	1 U	5.1	1 U	0.7	1 U	21	
MW-276I		2/12/07	ug/l	1 UJ	4.2	1 U	0.64 J	1 U	18	
MW-276I	GW-081717-AJ-03	8/17/17	ug/l	1 U	2.3	1 U	0.45 J	1 U	21	0.35 J

**Summary of Analytical Results  
for Contaminants of Concern and 1,4-Dioxane**  
**Rexnord**  
**Downers Grove, Illinois**

Well Designation	Sample Number	Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	1,4-Dioxane
MW-278I		2/13/07	ug/l	1.5	1 U	1 U	1 U	1 U	1 U	1 U
MW-278I		2/13/07	ug/l	1.0	1 U	1 U	1 U	1 U	1 U	1 U
<b>MW-278I</b>	<b>GW-081817-AJ-10</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>0.48 J</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
<b>MW-278I</b>	<b>GW-081817-AJ-11</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>FD</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
MW-279I		2/12/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW-279I		2/12/07	ug/l	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
<b>MW-279I</b>	<b>GW-090517-JT-23</b>	<b>9/5/17</b>	<b>ug/l</b>		<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
MW-280I		2/12/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW-280I		2/12/07	ug/l	1 UJ	1 U	1 U	1 U	1 U	0.22 J	1 U
<b>MW-280I</b>		<b>8/18/17</b>	<b>ug/l</b>		<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>
OV-1I		6/13/02	ug/l	1 U	1 U	1 U	1.3	38	37	
OV-1I		3/9/06	ug/l	0.52 J	1 U	1 U	1 U	33	13	
OV-1I		2/9/07	ug/l	FD	1 U	1 U	1 U	27	18	
OV-1I		2/9/07	ug/l	1 U	1 U	1 U	1 U	30	17	
OV-1I		2/9/07	ug/l	0.49 J	1 U	1 U	1 U	21	15	
<b>OV-1I</b>	<b>GW-081817-AJ-09</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>0.25 J</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>5.1</b>	<b>1 U</b>	<b>2 U</b>
OV-4I		6/10/02	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
OV-4I		3/6/06	ug/l	1 U	0.29 J	1 U	1 U	1 U	1 U	1 U
OV-4I		2/12/07	ug/l	FD	1 U	1 U	1 U	1 U	1 U	1 U
OV-4I		2/12/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
OV-4I		2/12/07	ug/l	FD	1 UJ	0.32 J	1 U	1 U	1 U	1 U
OV-4I		2/12/07	ug/l	1 UJ	0.31 J	1 U	1 U	1 U	1 U	1 U
<b>OV-4I</b>	<b>GW-081817-AJ-13</b>	<b>8/18/17</b>	<b>ug/l</b>		<b>1 U</b>	<b>0.39 J</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
OV-5I		6/10/02	ug/l	51	0.53 J	1 U	1 U	1.2	58	
OV-5I		3/8/06	ug/l	12	4.7	0.45 J	1 U	0.52 J	21	
OV-5I		2/9/07	ug/l	43	1.1	1 U	1 U	1.1	31	
OV-5I		2/9/07	ug/l	43 J	0.66 J	0.91 J	1.7 U	0.65 J	27	
<b>OV-5I</b>	<b>GW-081717-AJ-04</b>	<b>8/17/17</b>	<b>ug/l</b>		<b>35</b>	<b>5.5</b>	<b>0.72</b>	<b>1.7</b>	<b>0.74</b>	<b>40</b>

**Summary of Analytical Results  
for Contaminants of Concern and 1,4-Dioxane**  
**Rexnord**  
**Downers Grove, Illinois**

Well Designation	Sample Number	Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	1,4-Dioxane
RMW-1I		2/14/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
RMW-1I		3/6/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
RMW-1I		2/12/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
RMW-1I		2/12/07	ug/l	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
<b>RMW-1I</b>		<b>8/18/17</b>	<b>ug/l</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>
<b>Bedrock Wells</b>										
BD-1D		6/12/02	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BD-1D		3/8/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BD-1D		2/9/07	ug/l	FD	1 U	1 U	1 U	1 U	1 U	1 U
BD-1D		2/9/07	ug/l		1 U	1 U	1 U	1 U	1 U	1 U
BD-1D		2/9/07	ug/l		1 UJ	1 U	1 U	1 U	1 U	1 U
<b>BD-1D</b>	<b>GW-081817-AJ-14</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
BD-2D		6/12/02	ug/l	1 U	1 U	1 U	1 U	13	0.63 J	
BD-2D		6/12/02	ug/l	FD	0.55 J	1 U	1 U	13	1 U	
BD-2D		3/7/06	ug/l		0.41 J	1 U	1 U	13	0.81 J	
BD-2D		2/12/07	ug/l		1.0	1 U	1 U	20	1.0	
BD-2D		2/12/07	ug/l	FD	0.96 J	1 U	1 U	17	1.0	
<b>BD-2D</b>	<b>GW-081817-AJ-05</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>0.39 J</b>	<b>1 U</b>	<b>1 U</b>	<b>2.7</b>	<b>3.4</b>	<b>1.2</b>	<b>2 U</b>
<b>BD-2D</b>	<b>GW-081817-AJ-06</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>FD</b>	<b>0.33 J</b>	<b>1 U</b>	<b>1 U</b>	<b>2.8</b>	<b>3.3</b>	<b>1.1</b>
BD-8D		6/10/02	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BD-8D		3/7/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BD-8D		2/9/07	ug/l		1 U	1 U	1 U	1 U	1 U	1 U
BD-8D		2/9/07	ug/l		1 UJ	1 U	1 U	1 U	1 U	1 U
<b>BD-8D</b>	<b>GW-082117-AJ-01</b>	<b>8/17/17</b>	<b>ug/l</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>

**Summary of Analytical Results  
for Contaminants of Concern and 1,4-Dioxane**  
**Rexnord**  
**Downers Grove, Illinois**

Well Designation	Sample Number	Date	Units	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	1,4-Dioxane
RMW-1D		2/13/06	ug/l	1 U	1 U	1 U	1 U	0.57 J	1 U	
RMW-1D		3/6/06	ug/l	1 U	1 U	1 U	1 U	0.42 J	1 U	
RMW-1D		2/12/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
RMW-1D		2/12/07	ug/l	1 UJ	1 U	1 U	1 U	0.33 J	1 U	
<b>RMW-1D</b>		<b>8/18/17</b>	<b>ug/l</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>	<b>ns</b>
RMW-2D		2/13/06	ug/l	1 U	1 U	1 U	1 U	0.52 J	1 U	
RMW-2D		2/13/06	ug/l	1 U	1 U	1 U	1 U	0.50 J	1 U	
RMW-2D		3/7/06	ug/l	1 U	1 U	1 U	1 U	0.33 J	1 U	
RMW-2D		2/9/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
RMW-2D		2/9/07	ug/l	1 UJ	1 U	1 U	1 U	0.30 J	1 U	
<b>RMW-2D</b>	<b>GW-082117-AJ-20</b>	<b>8/21/17</b>	<b>ug/l</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
RMW-3D		2/14/06	ug/l	1.7	0.68 J	1 U	1 U	0.31 J	0.86 J	
RMW-3D		3/7/06	ug/l	1.3	0.66 J	1 U	1 U	0.22 J	0.71 J	
RMW-3D		3/7/06	ug/l	1.3	0.63 J	1 U	1 U	0.22 J	0.66 J	
RMW-3D		2/14/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
<b>RMW-3D</b>		<b>8/21/17</b>	<b>ug/l</b>	<b>2.4</b>	<b>0.81 J</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>0.46 J</b>	<b>0.60 J</b>
RMW-4D		2/14/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
RMW-4D		3/6/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
<b>RMW-4D</b>	<b>GW-082117-AJ-18</b>	<b>8/18/17</b>	<b>ug/l</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>
RMW-5D		2/14/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
RMW-5D		3/7/06	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
RMW-5D		2/9/07	ug/l	1 U	1 U	1 U	1 U	1 U	1 U	
<b>RMW-5D</b>	<b>GW-082117-AJ-17</b>	<b>8/21/17</b>	<b>ug/l</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>1 U</b>	<b>2 U</b>

Notes:

- U - Not detected at the associated reporting limit
- J - Estimated value, above detection limit but below reporting limit
- FD - Field duplicate
- ug/l - Microgram per liter

21 - 2017 concentration exceeds MCL

**Groundwater Elevations  
Rexnord  
Downers Grove, Illinois**

<b>Well Location</b>	<b>Top of Casing Elevation</b>	<b>Depth to Water 8/18/2017</b>	<b>Groundwater Elevation 8/18/2017</b>
<b>Drift Wells</b>			
BD-1 I	696.56	26.25	670.31
BD-2 I	701.78	34.16	667.62
BD-3 I	686.37	--	--
BD-8 I	689.86	36.85	653.01
OV-1 I	702.56	47.37	655.19
OV-4 I	691.04	39.25	651.79
OV-5 I	694.56	40.96	653.60
RMW-1 I	691.82	--	--
276I	695.03	41.14	653.89
278I	701.73	35.31	666.42
279I	703.08	35.50	667.58
280I	701.42	39.06	662.36
		--	--
<b>Bedrock Wells</b>			
BD-1 D	696.25	44.52	651.73
BD-2 D	701.78	50.10	651.68
BD-8 D	690.00	37.58	652.42
RMW-1 D	691.43	--	--
RMW-2 D	688.63	37.32	651.31
RMW-3 D	688.49	37.10	651.39
RMW-4 D	690.76	39.19	651.57
RMW-5 D	690.54	38.46	652.08

## Notes:

All elevations shown in feet above mean sea level (ASML).

-- Not measured

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-84600-1

Client Project/Site: 30409, Ellsworth Industrial Park

For:

GHD Services Inc.

1801 Old Highway 8 NW

Suite 114

St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Denise Heckler

Authorized for release by:

9/8/2017 2:16:25 PM

Denise Heckler, Project Manager II

(330)966-9477

[denise.heckler@testamericainc.com](mailto:denise.heckler@testamericainc.com)

### LINKS

Review your project  
results through

Total Access

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Definitions/Glossary . . . . .	3
Case Narrative . . . . .	4
Method Summary . . . . .	5
Sample Summary . . . . .	6
Detection Summary . . . . .	7
Client Sample Results . . . . .	8
Surrogate Summary . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	11
Lab Chronicle . . . . .	12
Certification Summary . . . . .	13
Chain of Custody . . . . .	14

# Definitions/Glossary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

### Abbreviation

**These commonly used abbreviations may or may not be present in this report.**

¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: GHD Services Inc.  
Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Job ID: 240-84600-1

Laboratory: TestAmerica Canton

### Narrative

#### Job Narrative 240-84600-1

### Comments

No additional comments.

### Receipt

The samples were received on 9/7/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Method Summary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Sample Summary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-84600-1	GW-090517-JT-22	Water	09/05/17 11:45	09/07/17 09:30
240-84600-2	GW-090517-JT-23	Water	09/05/17 13:45	09/07/17 09:30
240-84600-3	TRIP BLANK	Water	09/05/17 00:00	09/07/17 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

TestAmerica Canton

## Detection Summary

Client: GHD Services Inc.  
Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

**Client Sample ID: GW-090517-JT-22**

**Lab Sample ID: 240-84600-1**

No Detections.

**Client Sample ID: GW-090517-JT-23**

**Lab Sample ID: 240-84600-2**

No Detections.

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 240-84600-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.25	J B	2.0	0.24	ug/L	1		8260B SIM	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

# Client Sample Results

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

**Client Sample ID: GW-090517-JT-22**

Date Collected: 09/05/17 11:45

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-1**

Matrix: Water

**Method: 8260B SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.24	ug/L			09/08/17 13:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	88		63 - 125					09/08/17 13:02	1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/17 12:21	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/08/17 12:21	1
1,1-Dichloroethene	1.0	U	1.0	0.27	ug/L			09/08/17 12:21	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/L			09/08/17 12:21	1
Carbon tetrachloride	1.0	U	1.0	0.35	ug/L			09/08/17 12:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 12:21	1
Tetrachloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 12:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/17 12:21	1
Trichloroethene	1.0	U	1.0	0.33	ug/L			09/08/17 12:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/08/17 12:21	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	94		61 - 138					09/08/17 12:21	1
4-Bromofluorobenzene (Surr)	84		69 - 120					09/08/17 12:21	1
Toluene-d8 (Surr)	94		73 - 120					09/08/17 12:21	1
Dibromofluoromethane (Surr)	91		69 - 124					09/08/17 12:21	1

# Client Sample Results

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

**Client Sample ID: GW-090517-JT-23**

Date Collected: 09/05/17 13:45

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-2**

Matrix: Water

**Method: 8260B SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.24	ug/L			09/08/17 12:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	88		63 - 125					09/08/17 12:37	1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/17 12:43	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/08/17 12:43	1
1,1-Dichloroethene	1.0	U	1.0	0.27	ug/L			09/08/17 12:43	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/L			09/08/17 12:43	1
Carbon tetrachloride	1.0	U	1.0	0.35	ug/L			09/08/17 12:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 12:43	1
Tetrachloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 12:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/17 12:43	1
Trichloroethene	1.0	U	1.0	0.33	ug/L			09/08/17 12:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/08/17 12:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	88		61 - 138					09/08/17 12:43	1
4-Bromofluorobenzene (Surr)	83		69 - 120					09/08/17 12:43	1
Toluene-d8 (Surr)	91		73 - 120					09/08/17 12:43	1
Dibromofluoromethane (Surr)	88		69 - 124					09/08/17 12:43	1

# Client Sample Results

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

**Client Sample ID: TRIP BLANK**

Date Collected: 09/05/17 00:00

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-3**

Matrix: Water

**Method: 8260B SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.25	J B	2.0	0.24	ug/L			09/08/17 12:13	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	87		63 - 125					09/08/17 12:13	1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/17 13:06	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/08/17 13:06	1
1,1-Dichloroethene	1.0	U	1.0	0.27	ug/L			09/08/17 13:06	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/L			09/08/17 13:06	1
Carbon tetrachloride	1.0	U	1.0	0.35	ug/L			09/08/17 13:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 13:06	1
Tetrachloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 13:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/17 13:06	1
Trichloroethene	1.0	U	1.0	0.33	ug/L			09/08/17 13:06	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/08/17 13:06	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	86		61 - 138					09/08/17 13:06	1
4-Bromofluorobenzene (Surr)	84		69 - 120					09/08/17 13:06	1
Toluene-d8 (Surr)	90		73 - 120					09/08/17 13:06	1
Dibromofluoromethane (Surr)	87		69 - 124					09/08/17 13:06	1

# Surrogate Summary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (61-138)	BFB (69-120)	TOL (73-120)	DBFM (69-124)
240-84600-1	GW-090517-JT-22	94	84	94	91
240-84600-2	GW-090517-JT-23	88	83	91	88
240-84600-3	TRIP BLANK	86	84	90	87
LCS 240-294132/4	Lab Control Sample	81	93	95	84
MB 240-294132/6	Method Blank	86	80	90	86

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

## Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (63-125)			
240-84600-1	GW-090517-JT-22	88			
240-84600-2	GW-090517-JT-23	88			
240-84600-3	TRIP BLANK	87			
LCS 240-294137/4	Lab Control Sample	86			
MB 240-294137/5	Method Blank	88			

### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TestAmerica Canton

# QC Sample Results

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID:** MB 240-294132/6

**Matrix:** Water

**Analysis Batch:** 294132

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/17 11:44	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			09/08/17 11:44	1
1,1-Dichloroethene	1.0	U	1.0	0.27	ug/L			09/08/17 11:44	1
1,2-Dichloroethane	1.0	U	1.0	0.30	ug/L			09/08/17 11:44	1
Carbon tetrachloride	1.0	U	1.0	0.35	ug/L			09/08/17 11:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 11:44	1
Tetrachloroethene	1.0	U	1.0	0.30	ug/L			09/08/17 11:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/17 11:44	1
Trichloroethene	1.0	U	1.0	0.33	ug/L			09/08/17 11:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/08/17 11:44	1

**MB MB**

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	86		61 - 138		09/08/17 11:44	1
4-Bromofluorobenzene (Surr)	80		69 - 120		09/08/17 11:44	1
Toluene-d8 (Surr)	90		73 - 120		09/08/17 11:44	1
Dibromofluoromethane (Surr)	86		69 - 124		09/08/17 11:44	1

**Lab Sample ID:** LCS 240-294132/4

**Matrix:** Water

**Analysis Batch:** 294132

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA

Analyte	LCS		Unit	D	%Rec	Limits
	Added	Result				
1,1,1-Trichloroethane	10.0	8.90	ug/L		89	64 - 147
1,1-Dichloroethane	10.0	9.42	ug/L		94	74 - 120
1,1-Dichloroethene	10.0	10.2	ug/L		102	65 - 127
1,2-Dichloroethane	10.0	8.99	ug/L		90	68 - 133
Carbon tetrachloride	10.0	9.26	ug/L		93	55 - 171
cis-1,2-Dichloroethene	10.0	9.29	ug/L		93	77 - 120
Tetrachloroethene	10.0	10.4	ug/L		104	80 - 122
trans-1,2-Dichloroethene	10.0	9.87	ug/L		99	74 - 124
Trichloroethene	10.0	9.29	ug/L		93	76 - 124
Vinyl chloride	10.0	10.7	ug/L		107	65 - 124

**LCS LCS**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	81		61 - 138
4-Bromofluorobenzene (Surr)	93		69 - 120
Toluene-d8 (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	84		69 - 124

## Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

**Lab Sample ID:** MB 240-294137/5

**Matrix:** Water

**Analysis Batch:** 294137

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	0.291	J	2.0	0.24	ug/L			09/08/17 11:23	1

TestAmerica Canton

# QC Sample Results

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-294137/5

Matrix: Water

Analysis Batch: 294137

Client Sample ID: Method Blank  
Prep Type: Total/NA

Surrogate	MB	MB	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			88		63 - 125

Prepared      Analyzed      Dil Fac  
09/08/17 11:23      1

Lab Sample ID: LCS 240-294137/4

Matrix: Water

Analysis Batch: 294137

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	%Rec.	Limits		
	Added	Result	Qualifier	Unit	D	%Rec.	Limits
1,4-Dioxane	10.0	7.65		ug/L	76	59 - 131	
Surrogate	LCS	LCS					
1,2-Dichloroethane-d4 (Surr)			%Recovery	Qualifier	Limits		
			86		63 - 125		

# QC Association Summary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## GC/MS VOA

### Analysis Batch: 294132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-84600-1	GW-090517-JT-22	Total/NA	Water	8260B	
240-84600-2	GW-090517-JT-23	Total/NA	Water	8260B	
240-84600-3	TRIP BLANK	Total/NA	Water	8260B	
MB 240-294132/6	Method Blank	Total/NA	Water	8260B	
LCS 240-294132/4	Lab Control Sample	Total/NA	Water	8260B	

### Analysis Batch: 294137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-84600-1	GW-090517-JT-22	Total/NA	Water	8260B SIM	
240-84600-2	GW-090517-JT-23	Total/NA	Water	8260B SIM	
240-84600-3	TRIP BLANK	Total/NA	Water	8260B SIM	
MB 240-294137/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-294137/4	Lab Control Sample	Total/NA	Water	8260B SIM	

# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

**Client Sample ID: GW-090517-JT-22**

Date Collected: 09/05/17 11:45

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	294132	09/08/17 12:21	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	294137	09/08/17 13:02	SAM	TAL CAN

**Client Sample ID: GW-090517-JT-23**

Date Collected: 09/05/17 13:45

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-2**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	294132	09/08/17 12:43	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	294137	09/08/17 12:37	SAM	TAL CAN

**Client Sample ID: TRIP BLANK**

Date Collected: 09/05/17 00:00

Date Received: 09/07/17 09:30

**Lab Sample ID: 240-84600-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	294132	09/08/17 13:06	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	294137	09/08/17 12:13	SAM	TAL CAN

## Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

# Accreditation/Certification Summary

Client: GHD Services Inc.

Project/Site: 30409, Ellsworth Industrial Park

TestAmerica Job ID: 240-84600-1

## Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	200004	07-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260B SIM		Water	1,4-Dioxane

# TestAmerica

(optional)

Report To	<u>Charles Ahrens</u>
Contact:	
Company:	<u>GHD</u>
Address:	
Address:	
Phone:	<u>651-639-0913</u>
Fax:	
E-Mail:	<u>charles.ahrens@ghd.com</u>

4.614.6

Client Project #

277626

Lab ID

MS/MSD

Sample ID

Sampling Date	Time	Matrix	# of Containers	Preservative		Parameter	Comments
				1	1		
9/15/17	1145	6	1	X	X	<u>'4-Dioxane</u>	<u>Equipment Black</u>
9/15/17	1345	6	1	X	X		<u>MW 2797</u>
		2	1	X	X		<u>Trip Black</u>

# Chain of Custody Record

Lab Job #:	
Chain of Custody Number:	
Page ____ of ____	
Temperature °C of Cooler:	

Client Name	Project Name	Client Project #	Lab Project #	Sampling Date	Time	Matrix	# of Containers	Preservative	Parameter	Comments
<u>Rexford</u>	<u>Rexford</u>	<u>277626</u>		<u>GW-090517-JT-22</u>	<u>9/15/17</u>	<u>1145</u>	<u>6</u>	<u>W</u>	<u>X</u>	<u>'4-Dioxane</u>
<u>Downer Grover, LLC</u>	<u>Jens Thomas</u>		<u>Lab PM</u>	<u>GW-090517-JT-23</u>	<u>9/15/17</u>	<u>1345</u>	<u>6</u>	<u>W</u>	<u>X</u>	
				<u>Trip Black</u>			<u>2</u>	<u>W</u>	<u>X</u>	<u>X</u>
 <b>240-84600 Chain of Custody</b>										
Turnaround Time Required (Business Days) <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 7 Days <input type="checkbox"/> 10 Days <input type="checkbox"/> 15 Days <input type="checkbox"/> Other _____										
Requested By	Company	Date	Time	Received By	Company	Date	Time	Archive for	Months	(A fee may be assessed if samples are retained longer than 1 month)
<u>Jens Thomas</u>	<u>JRC</u>	<u>9/15/17</u>	<u>1545</u>	<u>Bob</u>	<u>JRC</u>	<u>9/7/17</u>	<u>930</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reinstituted By	Company	Date	Time	Received By	Company	Date	Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reinstituted By	Company	Date	Time	Received By	Company	Date	Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Matrix Key	Client Comments	Lab Comments:								
WW - Wastewater	SE - Sediment									
W - Water	SO - Soil									
S - Soil	L - Leachate									
SL - Sludge	WI - Wipe									
MS - Miscellaneous	DW - Drinking Water									
OL - Oil	O - Other									
AA - Air										

1 2 3 4 5 6 7 8 9 10 11 12 13 14

**TestAmerica Canton Sample Receipt Form/Narrative  
Canton Facility**

Login # : 84600

Client <u>REXNORD</u>	Site Name _____	Cooler unpacked by: <u>ODP</u>	
Cooler Received on <u>9-7-17</u>	Opened on <u>9-7-17</u>		
FedEx: 1 <sup>st</sup> Grd <u>Exp</u>	UPS FAS Clipper	Client Drop Off TestAmerica Courier Other	
<b>Receipt After-hours:</b> Drop-off Date/Time		Storage Location	
TestAmerica Cooler #	Foam Box	Client Cooler Box	Other _____
Packing material used:	Bubble Wrap	Foam	Plastic Bag None Other _____
COOLANT:	Wet Ice	Blue Ice	Dry Ice Water None
1. Cooler temperature upon receipt <input type="checkbox"/> See Multiple Cooler Form IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. <u>4.6</u> °C Corrected Cooler Temp. <u>4.6</u> °C IR GUN #36 (CF +0.3°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C			
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No -Were custody seals on the outside of the cooler(s) signed & dated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No NA -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
3. Shippers' packing slip attached to the cooler(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
4. Did custody papers accompany the sample(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
5. Were the custody papers relinquished & signed in the appropriate place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
6. Was/were the person(s) who collected the samples clearly identified on the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
7. Did all bottles arrive in good condition (Unbroken)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
8. Could all bottle labels be reconciled with the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
9. Were correct bottle(s) used for the test(s) indicated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
10. Sufficient quantity received to perform indicated analyses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
11. Are these work share samples? If yes, Questions 11-15 have been checked at the originating laboratory.			
11. Were all preserved sample(s) at the correct pH upon receipt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No NA pH Strip Lot# <u>HC697954</u>			
12. Were VOAs on the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
13. Were air bubbles >6 mm in any VOA vials? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No NA Larger than this.			
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>COVERED</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
15. Was a LL Hg or Me Hg trip blank present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other			
Concerning _____			

Tests that are not checked for pH by Receiving:

VOAs  
Oil and Grease  
TOC

**16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**

Samples processed by:

**17. SAMPLE CONDITION**

Sample(s) \_\_\_\_\_ were received after the recommended holding time had expired.  
Sample(s) \_\_\_\_\_ were received in a broken container.  
Sample(s) \_\_\_\_\_ were received with bubble >6 mm in diameter. (Notify PM)

**18. SAMPLE PRESERVATION**

Sample(s) \_\_\_\_\_ were further preserved in the laboratory.  
Time preserved: \_\_\_\_\_ Preservative(s) added/Lot number(s): \_\_\_\_\_

[www.ghd.com](http://www.ghd.com)

